

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\
 Data File : VX007121.D
 Acq On : 18 Jan 2019 06:28
 Operator : JC/SP
 Sample : K1157-28
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-07-011519

Quant Time: Jan 18 07:32:58 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	569332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	883468	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	827925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	397585	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	301999	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
35) Dibromofluoromethane	5.50	113	269446	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
50) Toluene-d8	8.71	98	1076534	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
62) 4-Bromofluorobenzene	11.13	95	375183	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	

Target Compounds

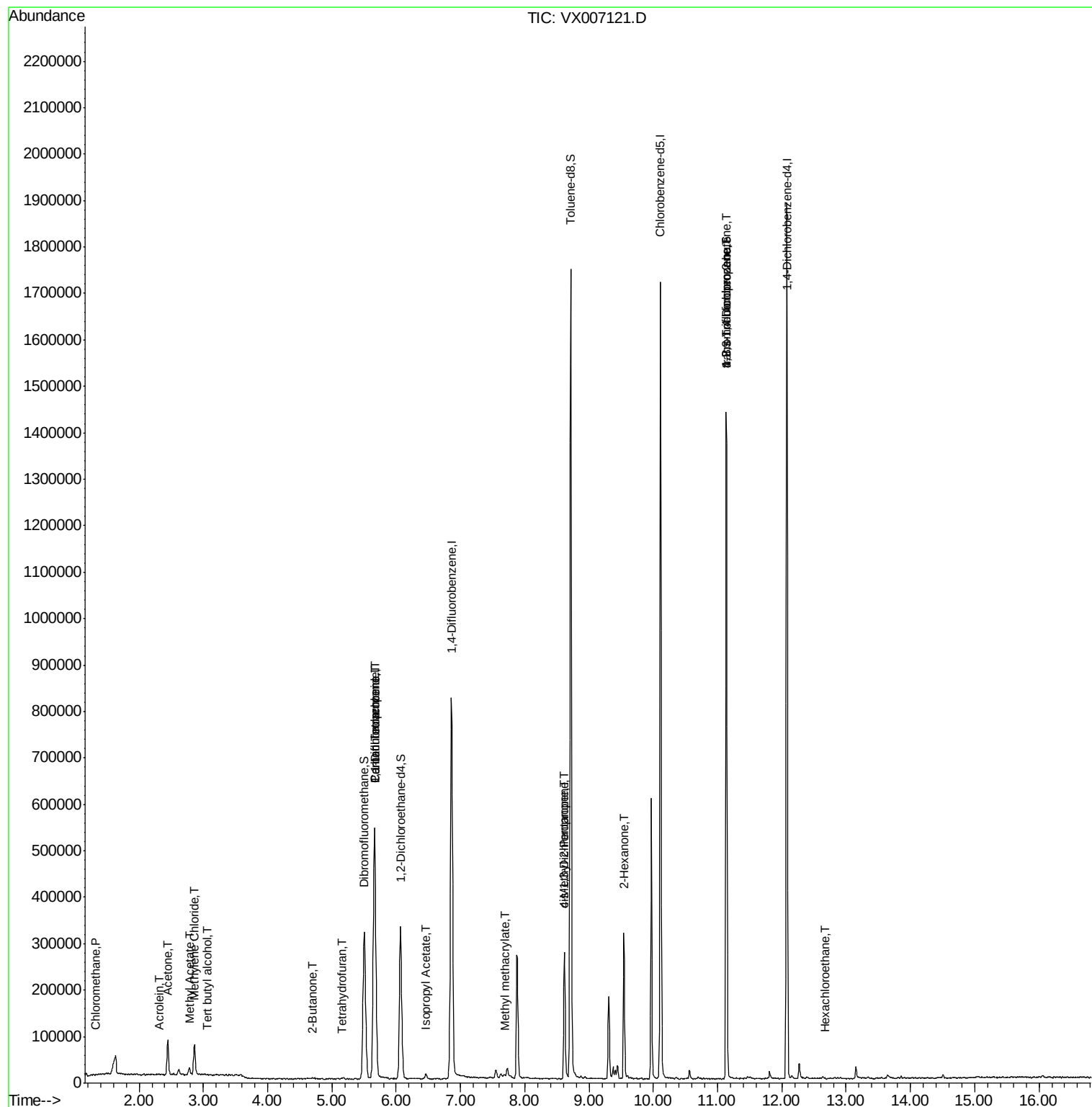
					Qvalue	
3) Chloromethane	1.33	50	1478	0.272	ug/l #	69
11) Tert butyl alcohol	3.07	59	1214	0.865	ug/l #	72
13) Acrolein	2.31	56	270	3.525	ug/l #	8
16) Acetone	2.45	43	81467	27.696	ug/l	97
18) Methyl Acetate	2.78	43	21830	2.563	ug/l	93
20) Methylene Chloride	2.86	84	30812	4.998	ug/l	92
25) 2-Butanone	4.70	43	4581	1.088	ug/l	98
29) Tetrahydrofuran	5.16	42	2527	0.924	ug/l #	68
36) 1,1-Dichloropropene	5.67	75	36134	4.704	ug/l #	49
38) Carbon Tetrachloride	5.66	117	51193	6.624	ug/l #	14
43) Isopropyl Acetate	6.46	43	13983	1.077	ug/l	94
48) Methyl methacrylate	7.68	41	7224	1.083	ug/l #	21
49) 1,4-Dioxane	7.75	88	171	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.62	43	88382	10.588	ug/l #	50
54) cis-1,3-Dichloropropene	8.62	75	43763	5.070	ug/l #	62
59) 2-Hexanone	9.54	43	34223	5.380	ug/l #	53
76) 1,2,3-Trichloropropane	11.13	75	177515	22.033	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	177515	65.244	ug/l #	10
90) Hexachloroethane	12.67	117	85	2.928	ug/l	95

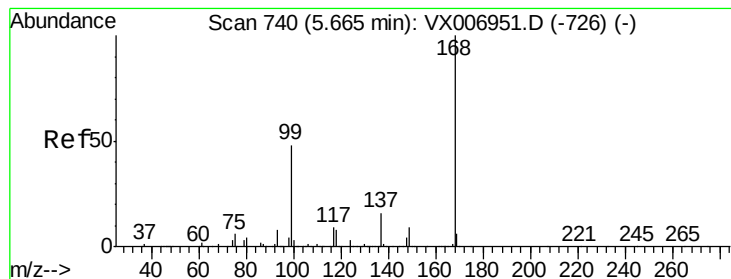
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 08 14:06:59 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007121.D

Acq: 18 Jan 2019 06:28

Instrument :

MSVOA_X

ClientSampleId :

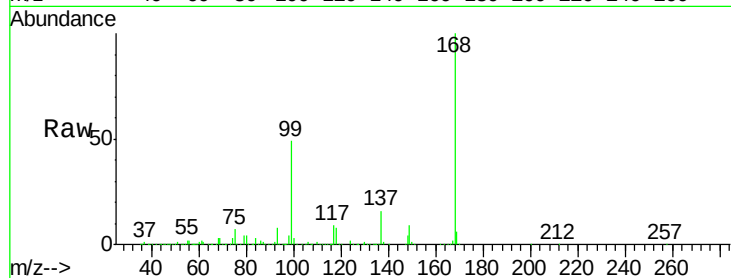
WC-07-011519

Tot Ion:168 Resp: 569332

Ion Ratio Lower Upper

168 100

99 48.6 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

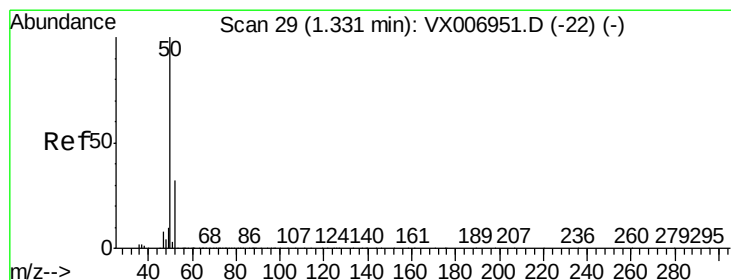
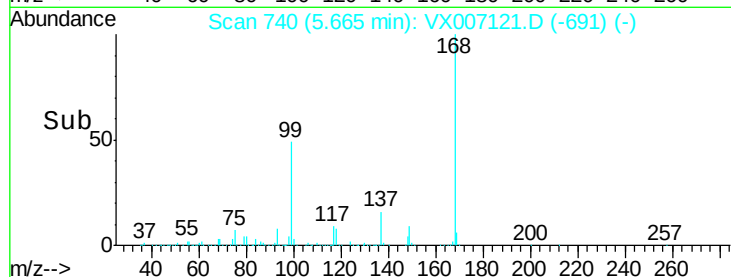
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.272 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007121.D

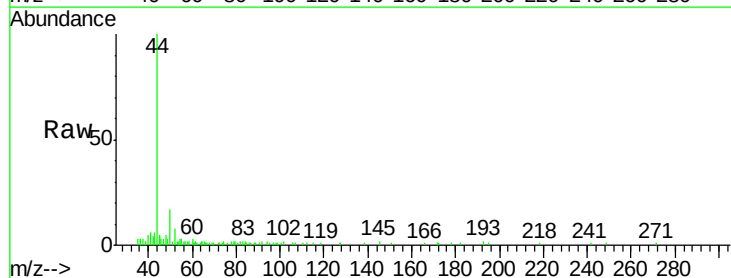
Acq: 18 Jan 2019 06:28

Tgt Ion: 50 Resp: 1478

Ion Ratio Lower Upper

50 100

52 49.1 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

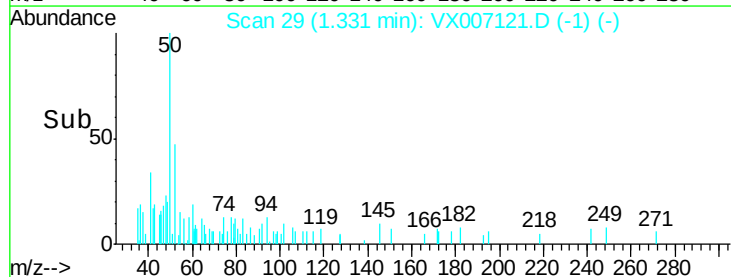
1.33

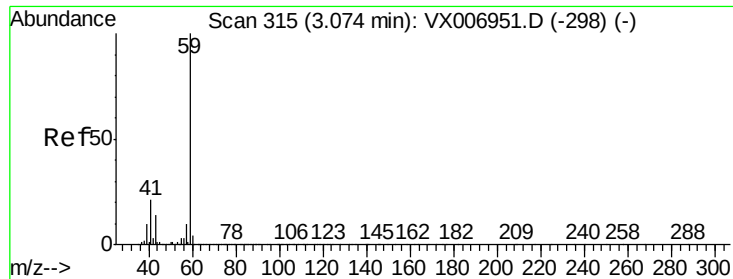
1000

500

0

Time-->



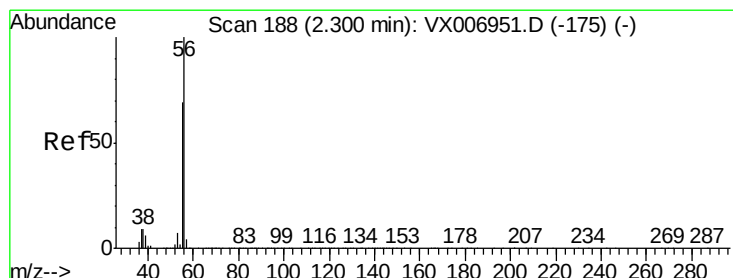
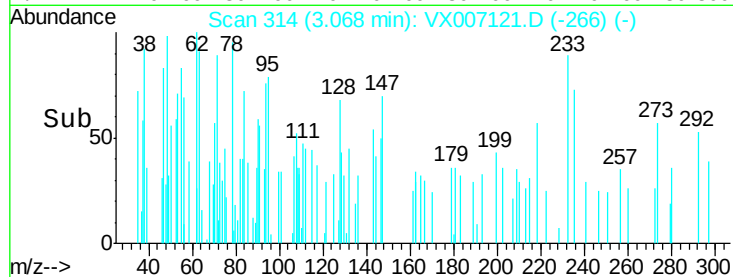
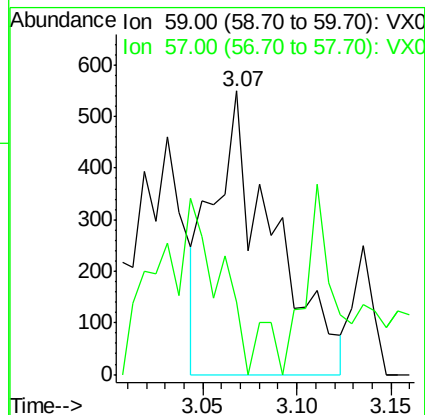
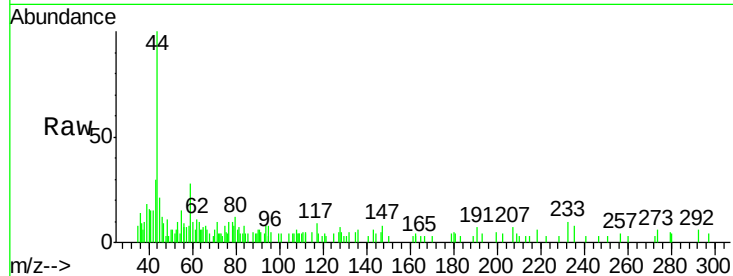


#11

Tert butyl alcohol
 Concen: 0.865 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX007121.D
 Acq: 18 Jan 2019 06:28

Instrument :
 MSVOA_X
 ClientSampled :
 WC-07-011519

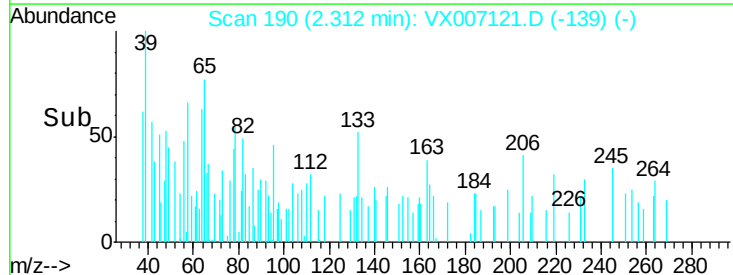
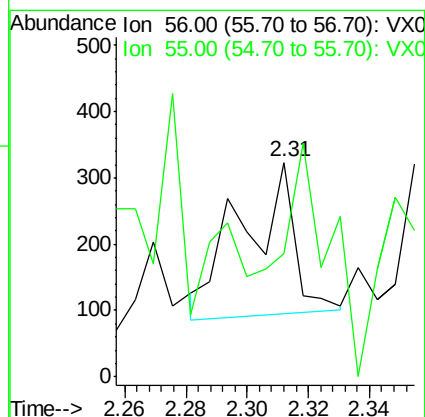
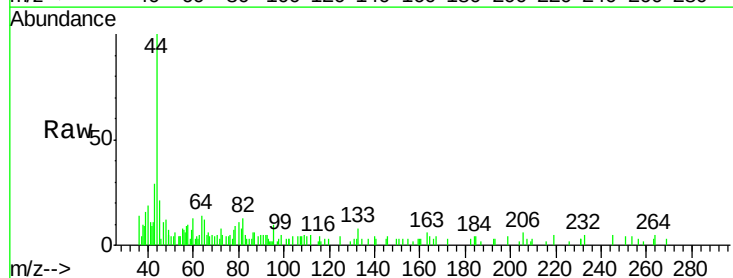
Tot Ion: 59 Resp: 1214
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

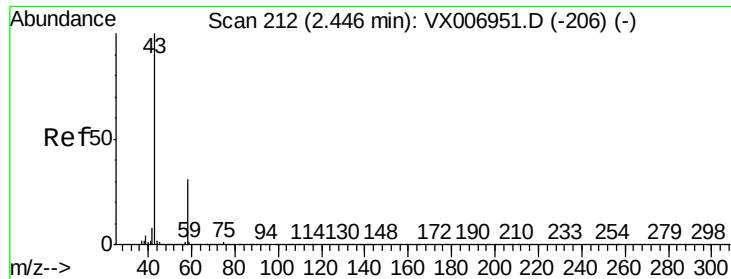


#13

Acrolein
 Concen: 3.525 ug/l
 RT: 2.31 min Scan# 190
 Delta R.T. 0.01 min
 Lab File: VX007121.D
 Acq: 18 Jan 2019 06:28

Tgt Ion: 56 Resp: 270
 Ion Ratio Lower Upper
 56 100
 55 149.6 58.2 87.4#

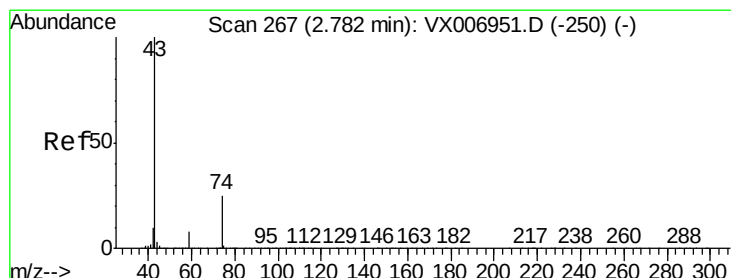
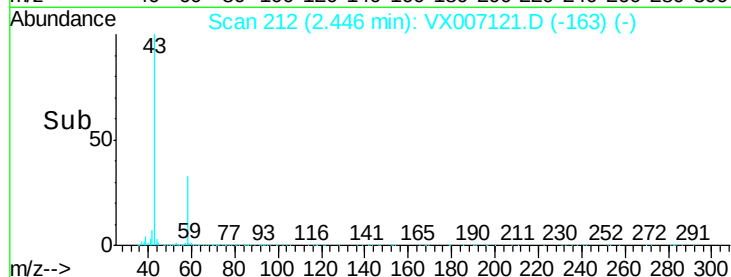
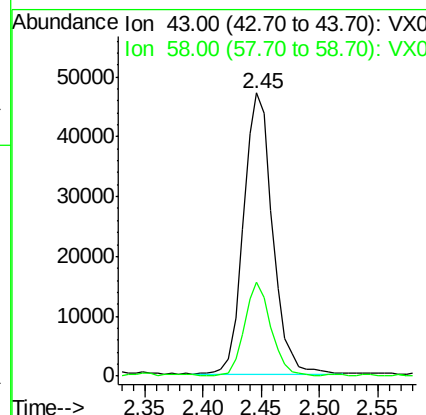
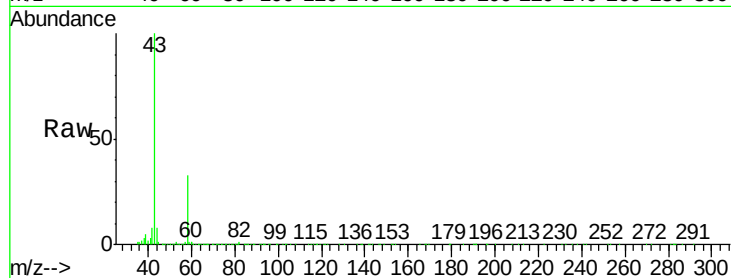




#16
Acetone
Concen: 27.696 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007121.D
Acq: 18 Jan 2019 06:28

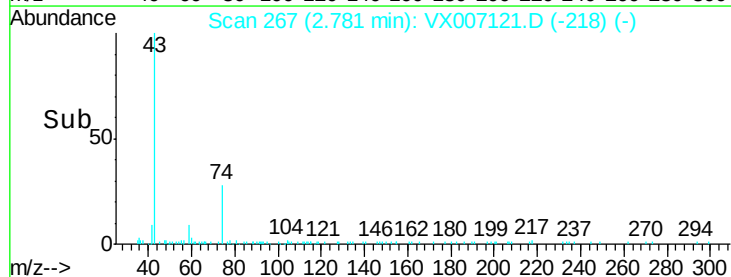
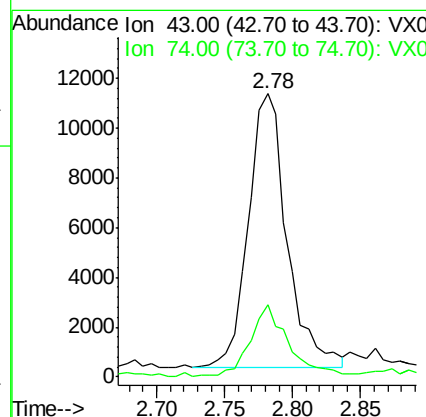
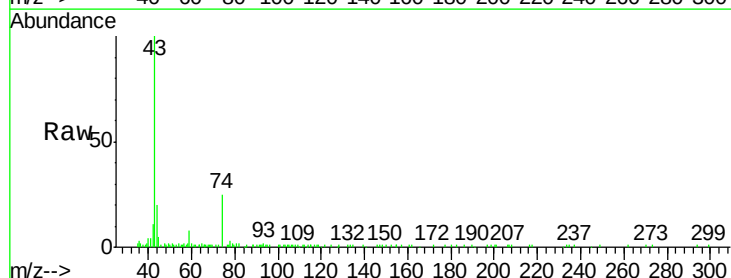
Instrument :
MSVOA_X
ClientSampleId :
WC-07-011519

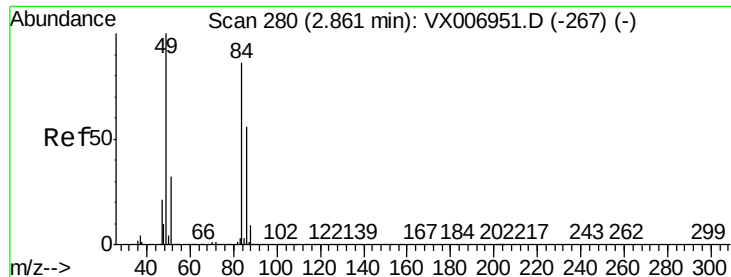
Tot Ion: 43 Resp: 81467
Ion Ratio Lower Upper
43 100
58 32.8 25.0 37.6



#18
Methyl Acetate
Concen: 2.563 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007121.D
Acq: 18 Jan 2019 06:28

Tgt Ion: 43 Resp: 21830
Ion Ratio Lower Upper
43 100
74 26.7 18.6 28.0

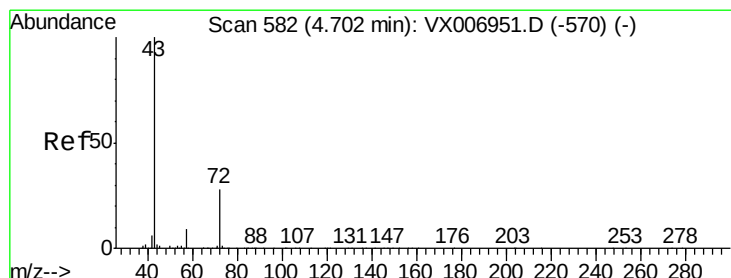
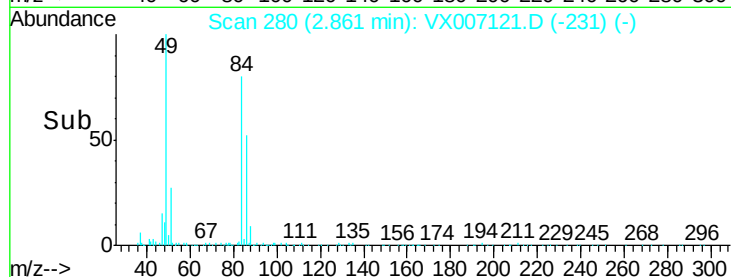
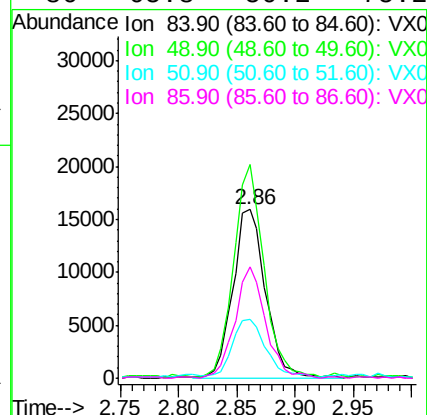
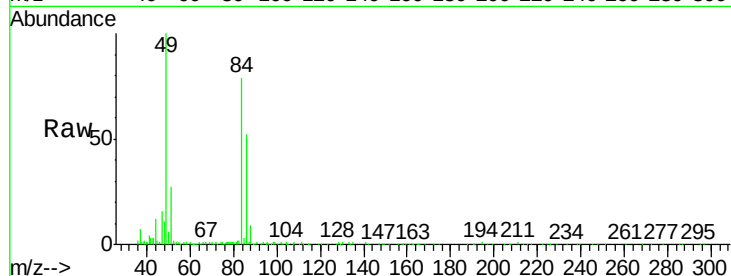




#20
Methylene Chloride
Concen: 4.998 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007121.D
Acq: 18 Jan 2019 06:28

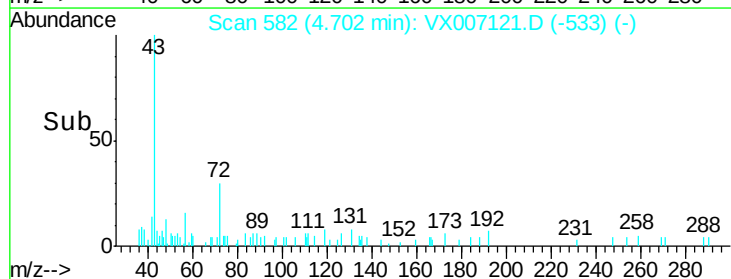
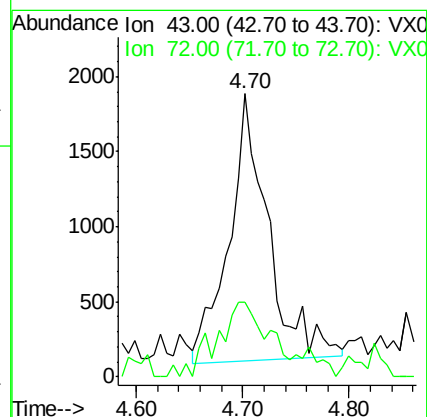
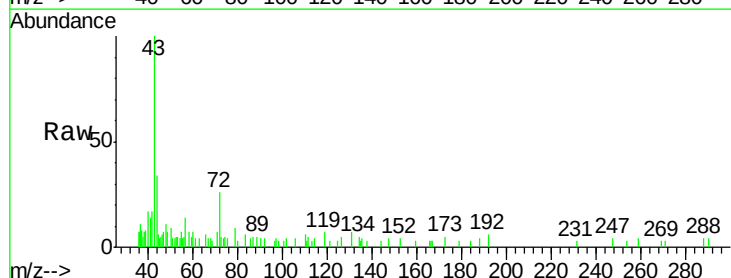
Instrument :
MSVOA_X
ClientSampleId :
WC-07-011519

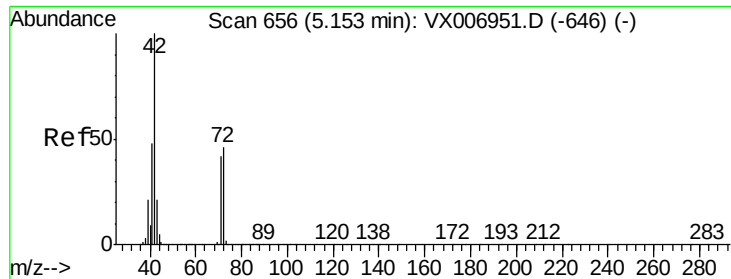
Tot Ion:	84	Resp:	30812
Ion	Ratio	Lower	Upper
84	100		
49	126.3	91.8	137.6
51	33.0	28.5	42.7
86	65.8	50.2	75.2



#25
2-Butanone
Concen: 1.088 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX007121.D
Acq: 18 Jan 2019 06:28

Tgt Ion:	43	Resp:	4581
Ion	Ratio	Lower	Upper
43	100		
72	29.1	22.4	33.6





#29

Tetrahydrofuran

Concen: 0.924 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007121.D

Acq: 18 Jan 2019 06:28

Instrument :

MSVOA_X

ClientSampleId :

WC-07-011519

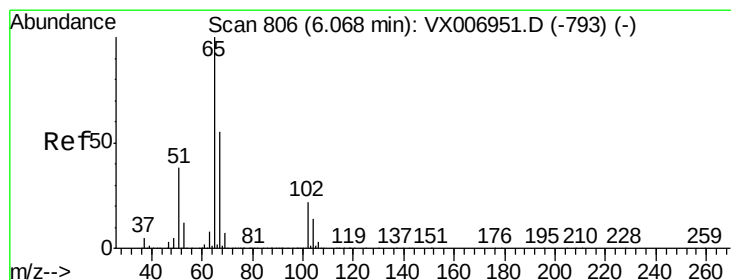
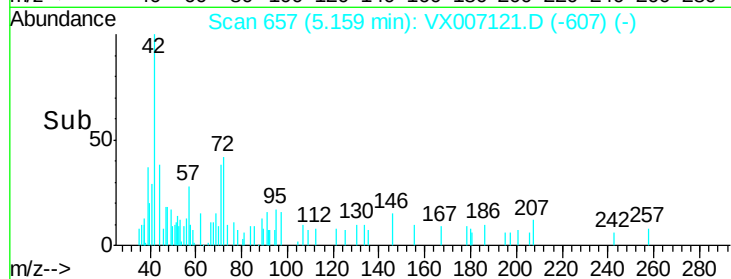
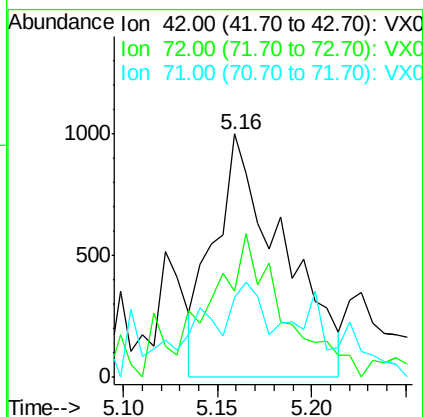
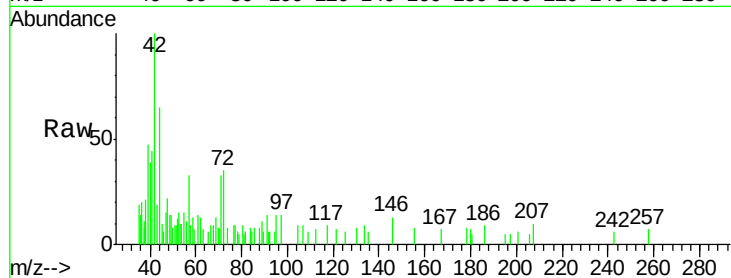
Tot Ion: 42 Resp: 2527

Ion Ratio Lower Upper

42 100

72 59.5 38.9 58.3#

71 13.3 36.2 54.4#



#33

1,2-Dichloroethane-d4

Concen: 50.756 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007121.D

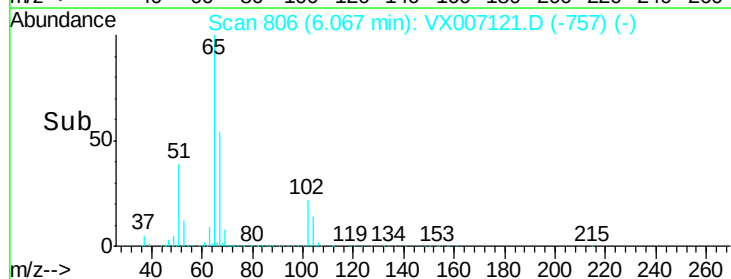
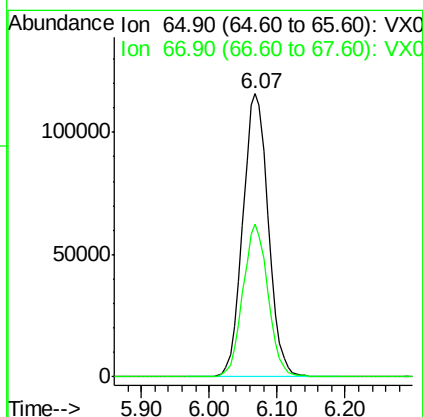
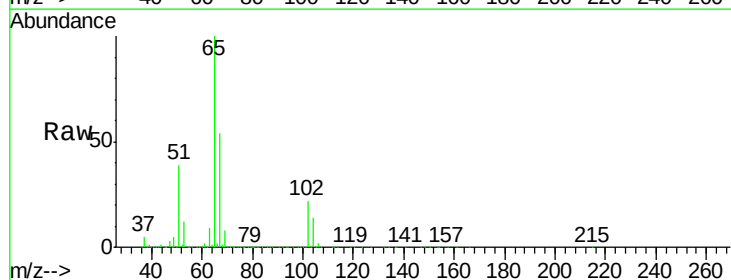
Acq: 18 Jan 2019 06:28

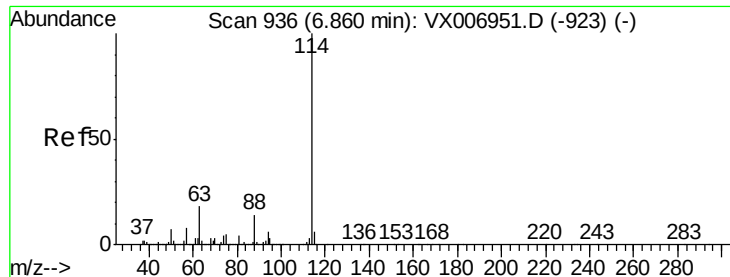
Tgt Ion: 65 Resp: 301999

Ion Ratio Lower Upper

65 100

67 53.2 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: VX007121.D

Acq: 18 Jan 2019 06:28

Instrument :

MSVOA_X

ClientSampleId :

WC-07-011519

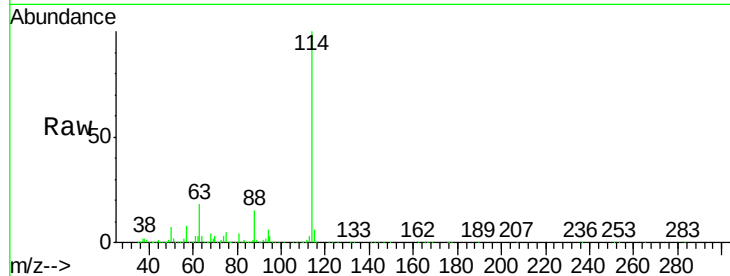
Tot Ion:114 Resp: 883468

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.8

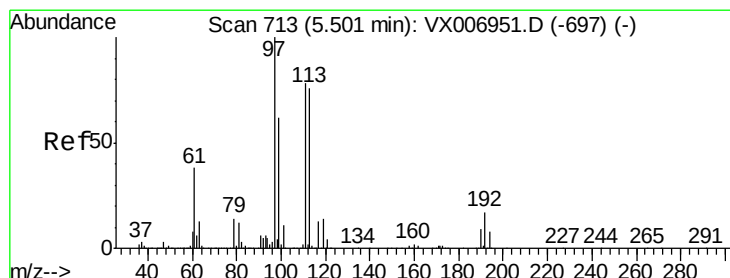
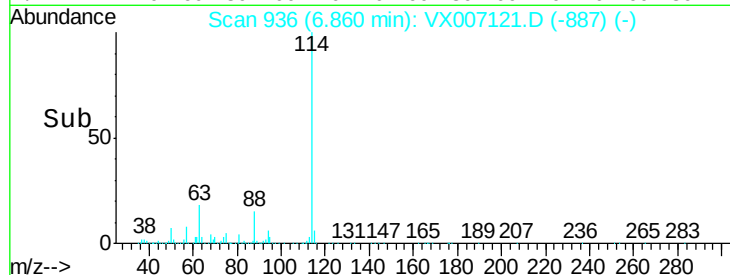
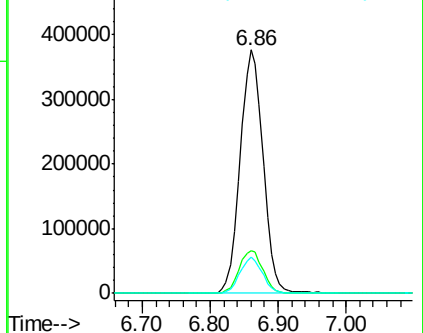
88 14.8 0.0 28.8



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



#35

Dibromofluoromethane

Concen: 47.625 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007121.D

Acq: 18 Jan 2019 06:28

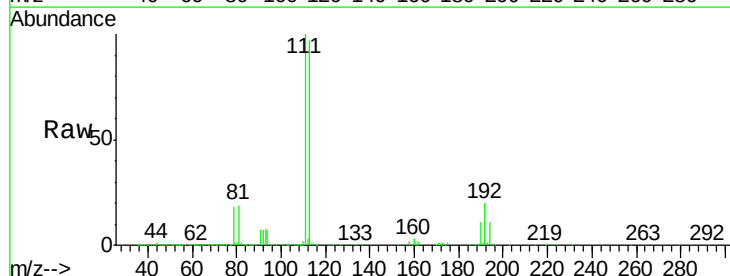
Tgt Ion:113 Resp: 269446

Ion Ratio Lower Upper

113 100

111 102.3 81.6 122.4

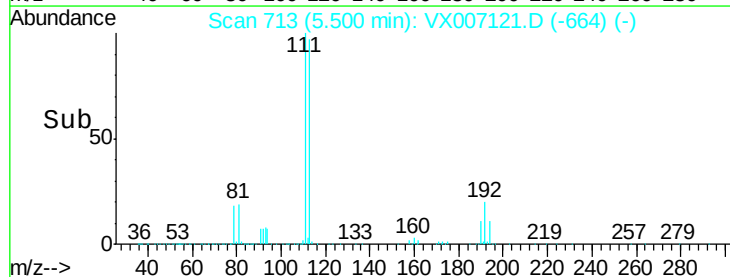
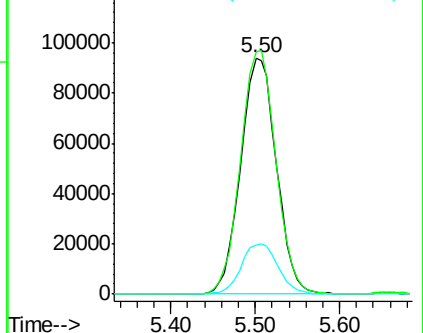
192 21.9 16.7 25.1

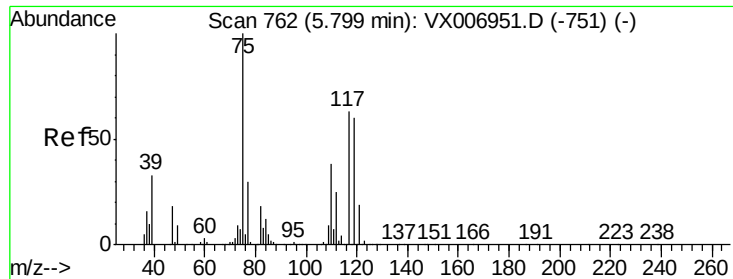


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.704 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007121.D

Acq: 18 Jan 2019 06:28

Instrument :

MSVOA_X

ClientSampleId :

WC-07-011519

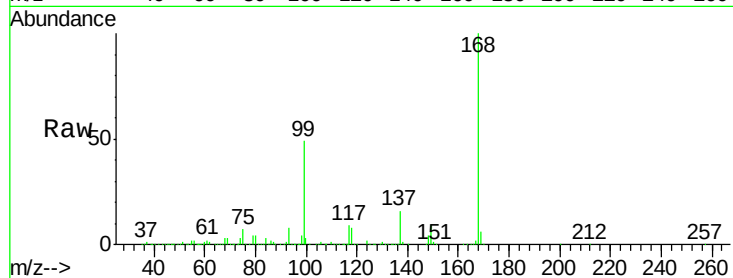
Tot Ion: 75 Resp: 36134

Ion Ratio Lower Upper

75 100

110 10.0 20.2 60.5#

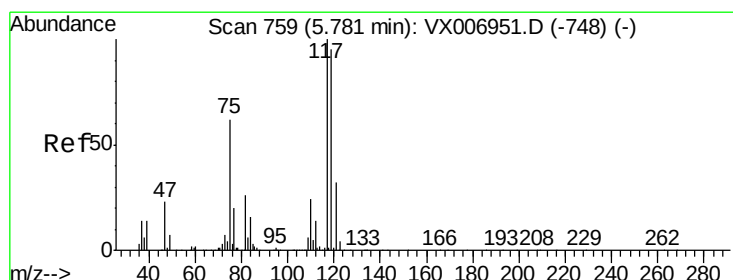
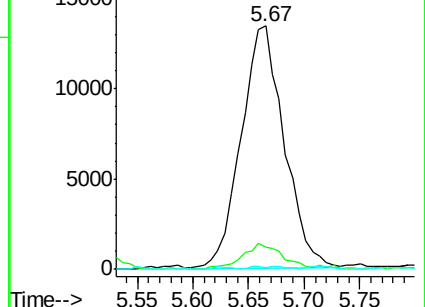
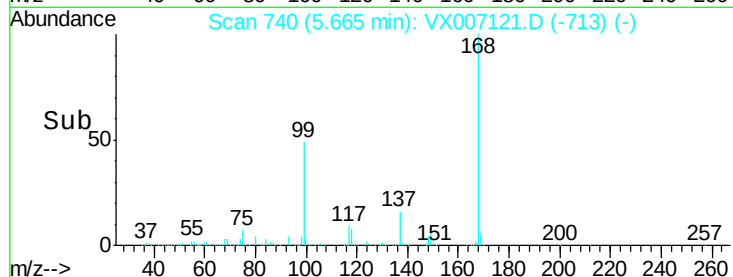
77 0.9 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX007121.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX007121.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX007121.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 6.624 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007121.D

Acq: 18 Jan 2019 06:28

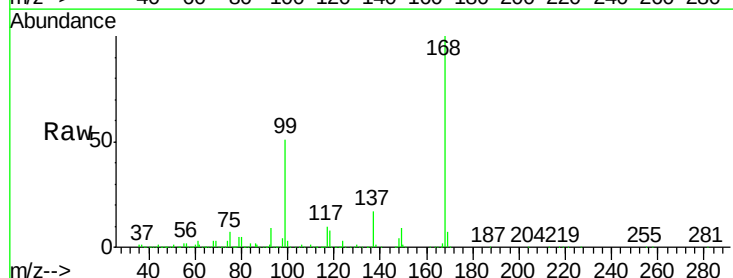
Tgt Ion: 117 Resp: 51193

Ion Ratio Lower Upper

117 100

119 4.2 79.4 119.2#

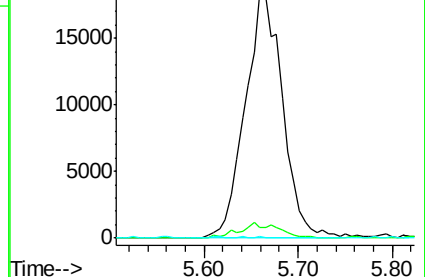
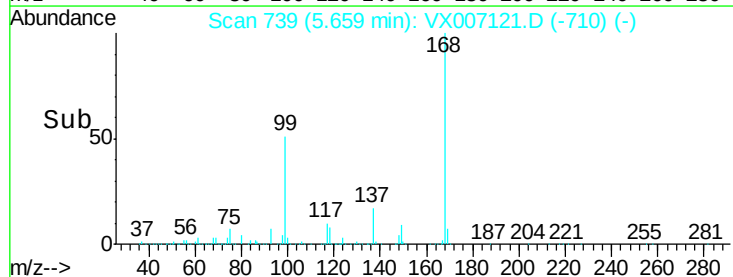
121 0.6 24.0 36.0#

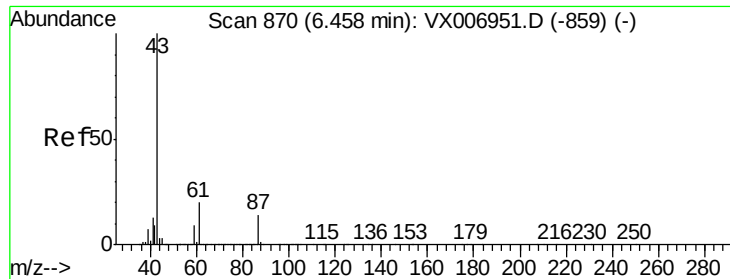


Abundance Ion 116.80 (116.50 to 117.50): VX007121.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX007121.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX007121.D (-710) (-)





#43

Isopropyl Acetate

Concen: 1.077 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX007121.D

Acq: 18 Jan 2019 06:28

Instrument :

MSVOA_X

ClientSampleId :

WC-07-011519

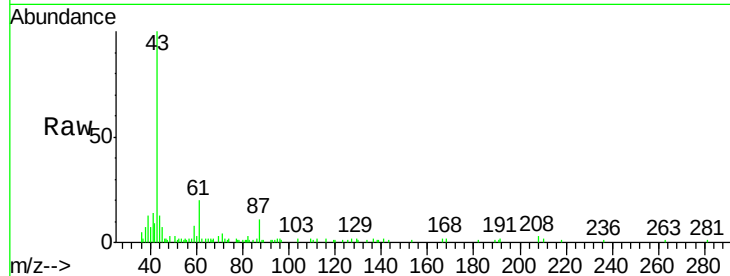
Tot Ion: 43 Resp: 13983

Ion Ratio Lower Upper

43 100

61 24.2 16.8 25.2

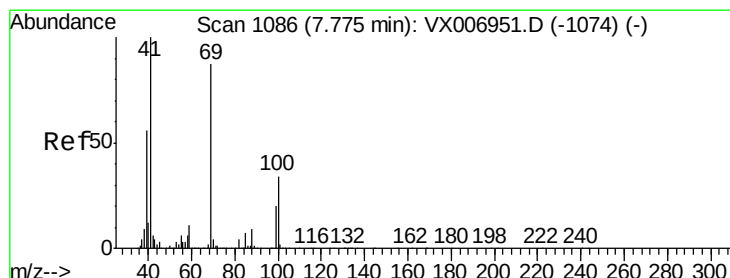
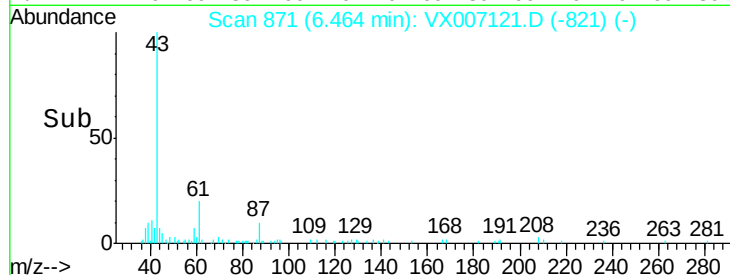
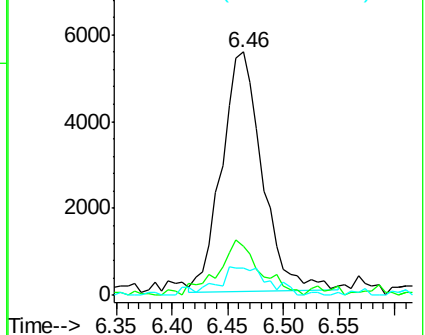
87 13.9 12.4 18.6



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: 1.083 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.09 min

Lab File: VX007121.D

Acq: 18 Jan 2019 06:28

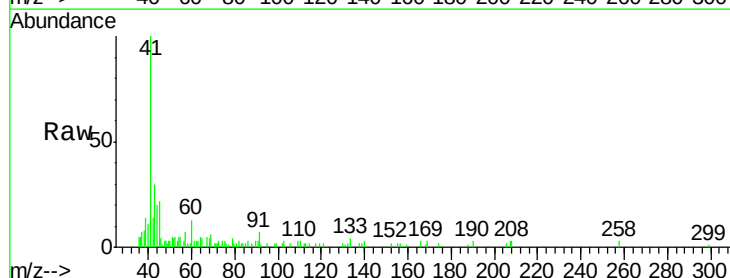
Tgt Ion: 41 Resp: 7224

Ion Ratio Lower Upper

41 100

69 3.3 72.4 108.6#

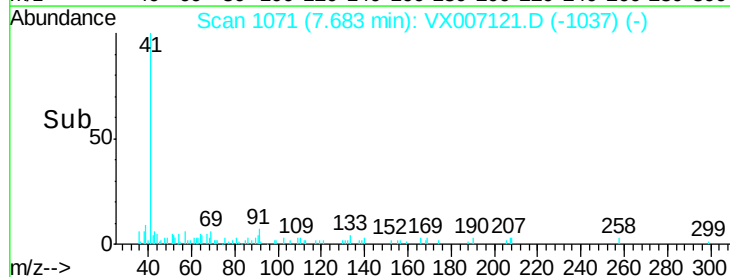
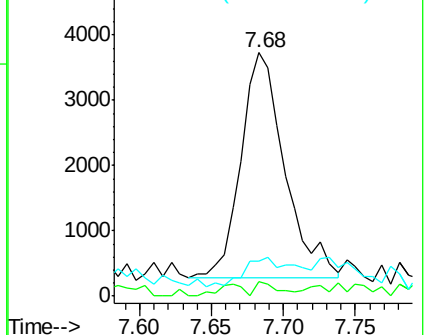
39 14.2 45.8 68.8#

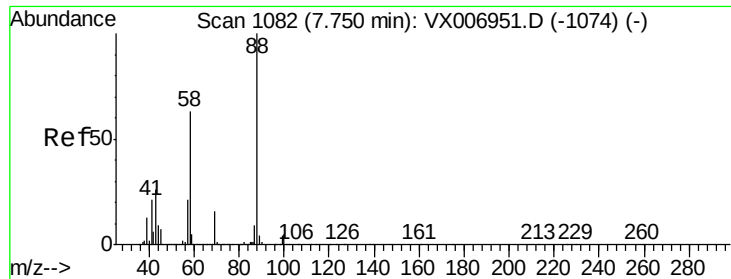


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

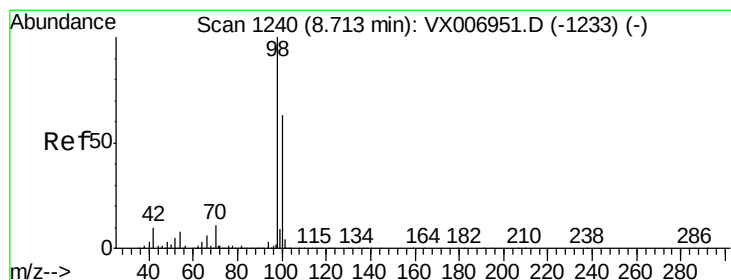
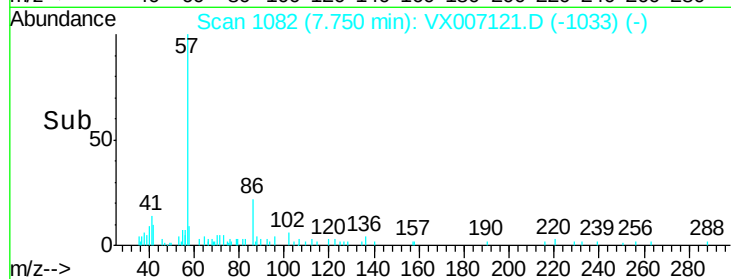
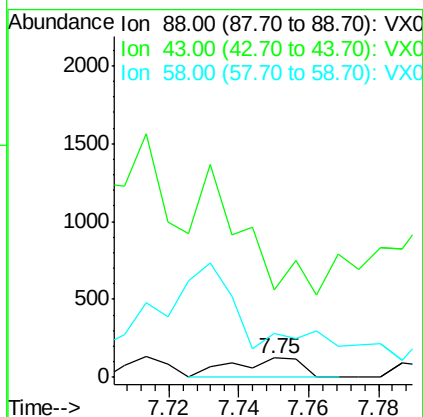
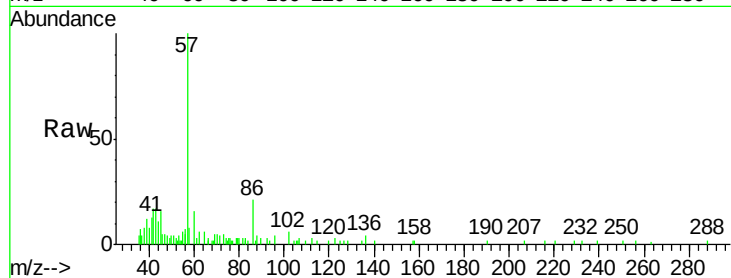




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007121.D
Acq: 18 Jan 2019 06:28

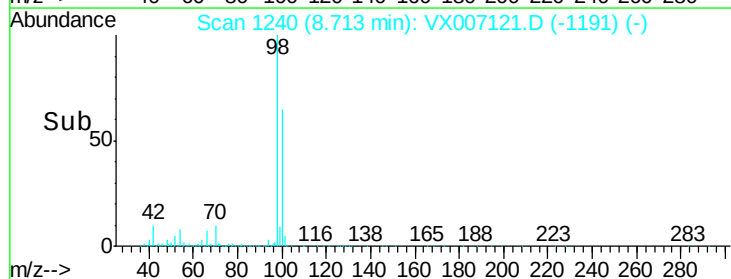
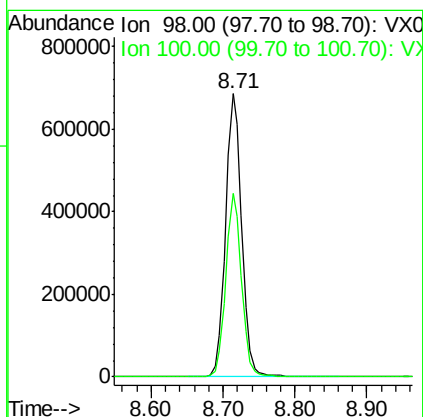
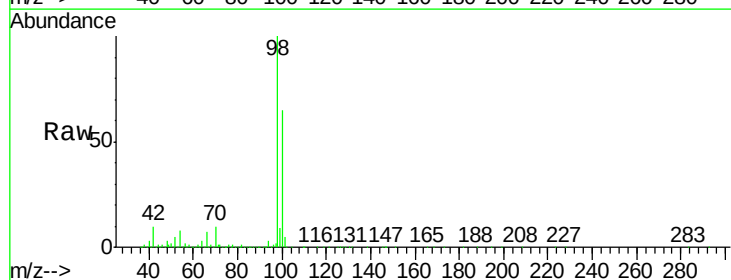
Instrument :
MSVOA_X
ClientSampled :
WC-07-011519

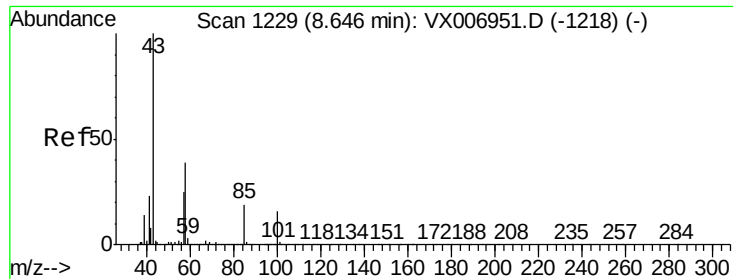
Tot Ion: 88 Resp: 171
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.4#
58 663.2 51.0 76.4#



#50
Toluene-d8
Concen: 51.984 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007121.D
Acq: 18 Jan 2019 06:28

Tgt Ion: 98 Resp: 1076534
Ion Ratio Lower Upper
98 100
100 63.2 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 10.588 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX007121.D

Acq: 18 Jan 2019 06:28

Instrument :

MSVOA_X

ClientSampleId :

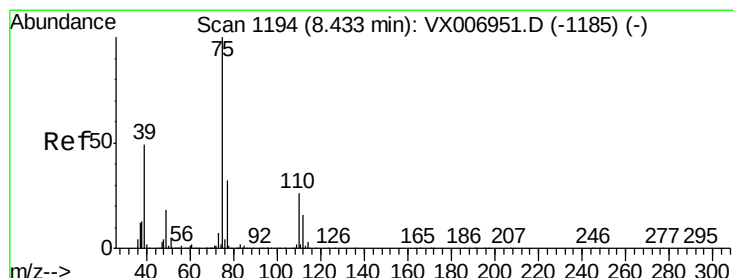
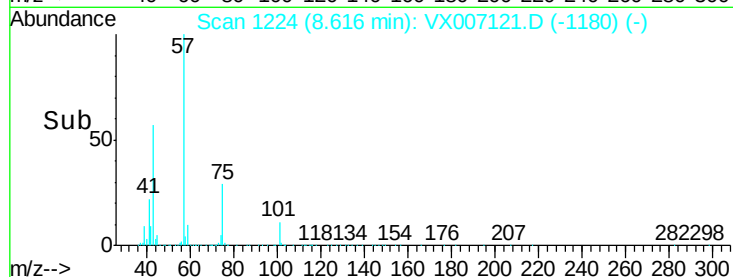
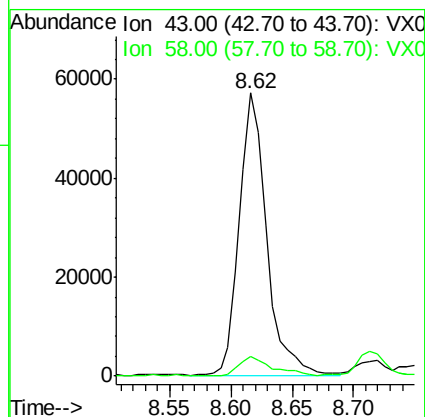
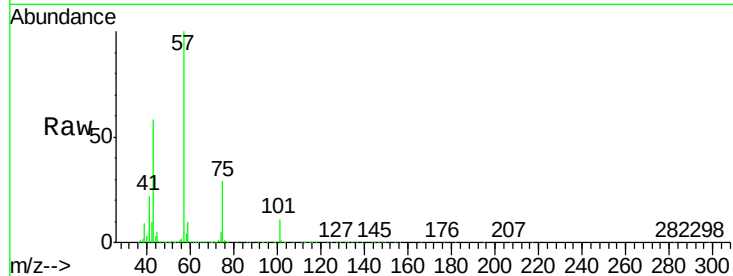
WC-07-011519

Tot Ion: 43 Resp: 88382

Ion Ratio Lower Upper

43 100

58 8.8 31.8 47.6#



#54

cis-1,3-Dichloropropene

Concen: 5.070 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX007121.D

Acq: 18 Jan 2019 06:28

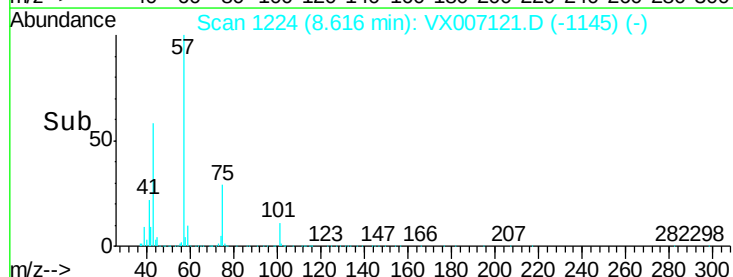
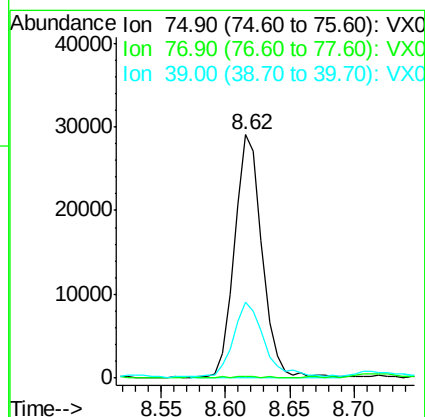
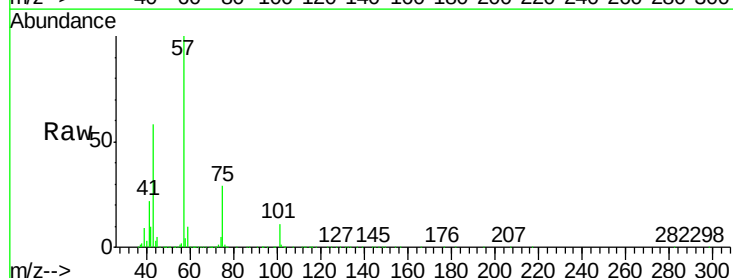
Tgt Ion: 75 Resp: 43763

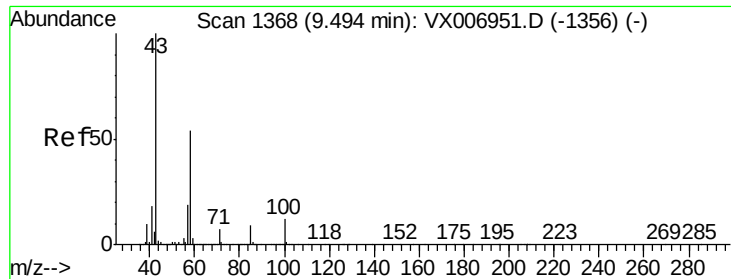
Ion Ratio Lower Upper

75 100

77 0.4 26.2 39.2#

39 30.4 36.7 55.1#





#59

2-Hexanone

Concen: 5.380 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX007121.D

Acq: 18 Jan 2019 06:28

Instrument :

MSVOA_X

ClientSampleId :

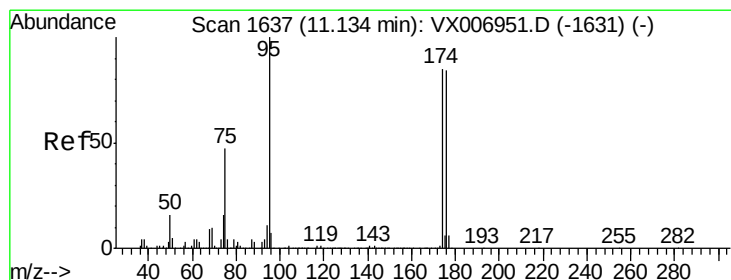
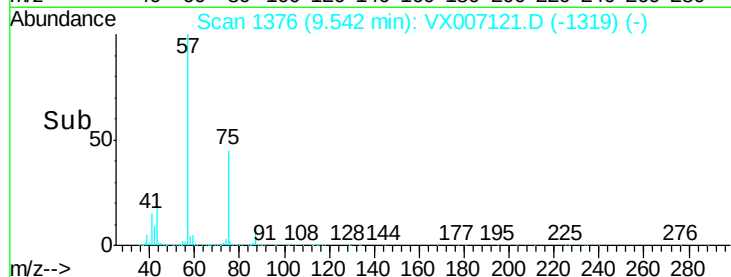
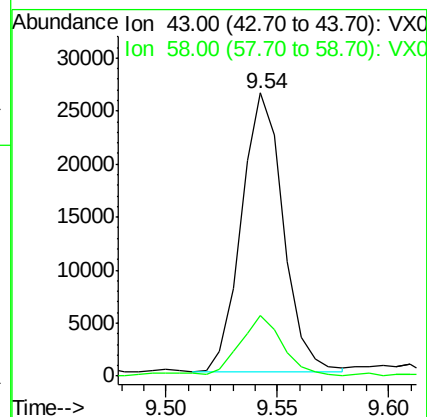
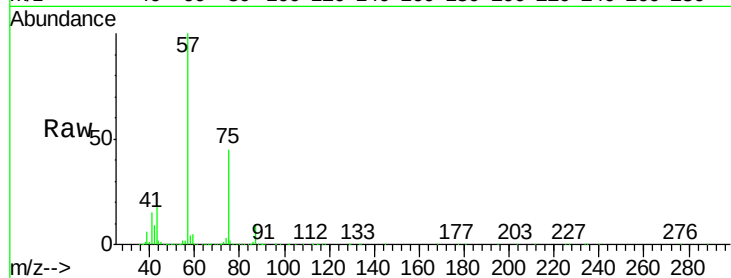
WC-07-011519

Tot Ion: 43 Resp: 34223

Ion Ratio Lower Upper

43 100

58 21.6 27.7 83.1#



#62

4-Bromofluorobenzene

Concen: 51.967 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007121.D

Acq: 18 Jan 2019 06:28

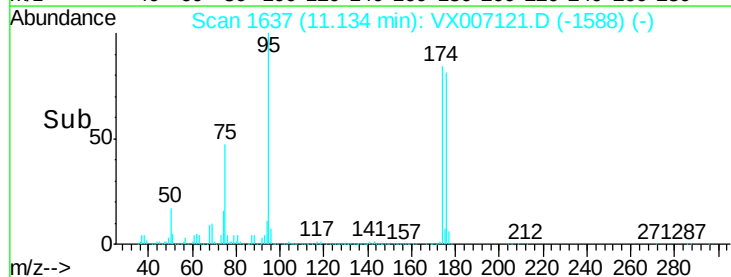
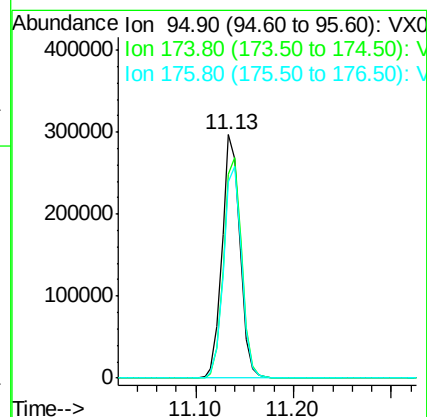
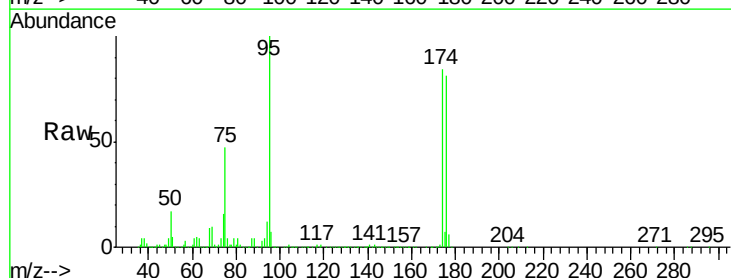
Tgt Ion: 95 Resp: 375183

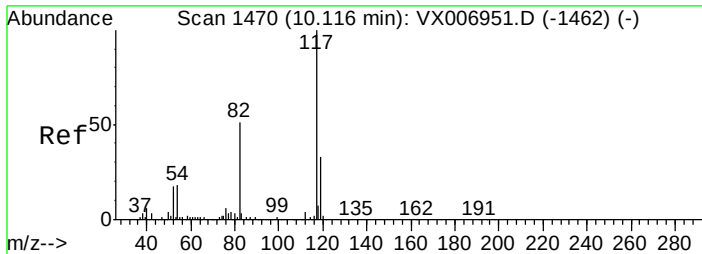
Ion Ratio Lower Upper

95 100

174 92.2 0.0 182.2

176 88.4 0.0 178.8



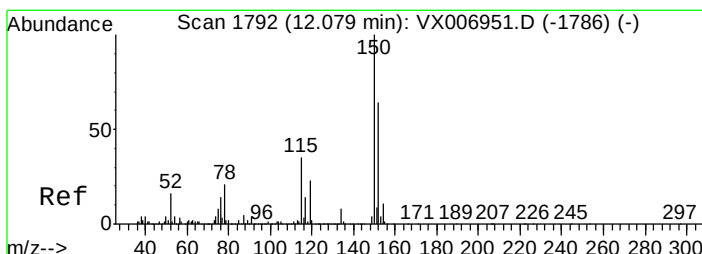
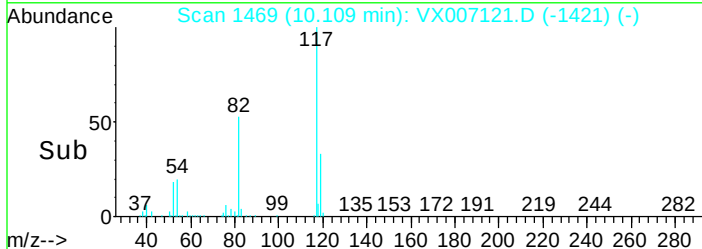
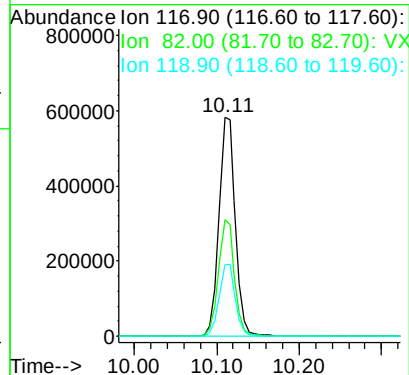
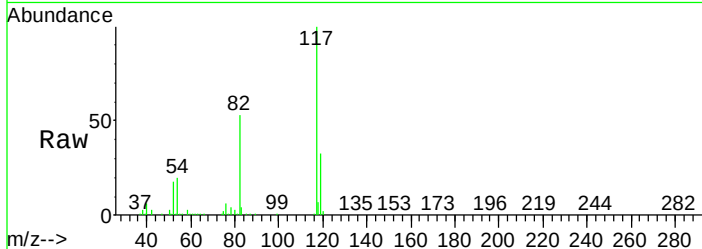


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: VX007121.D
 Acq: 18 Jan 2019 06:28

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-07-011519

Tot Ion:117 Resp: 827925

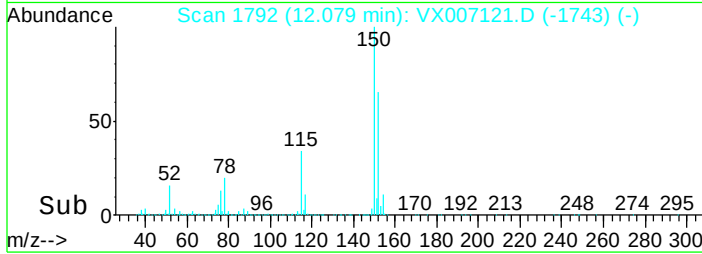
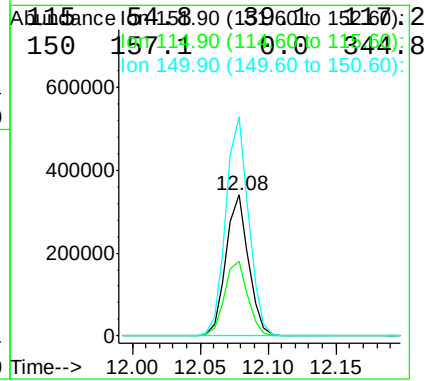
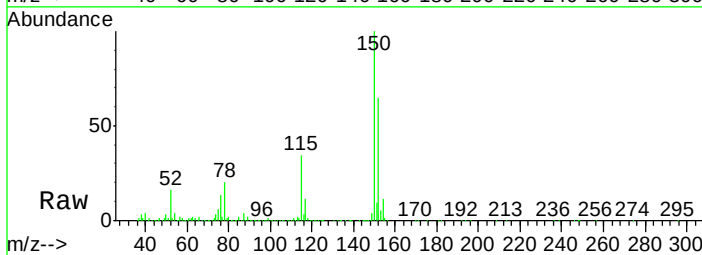
Ion	Ratio	Lower	Upper
117	100		
82	53.4	41.0	61.6
119	32.9	25.4	38.0

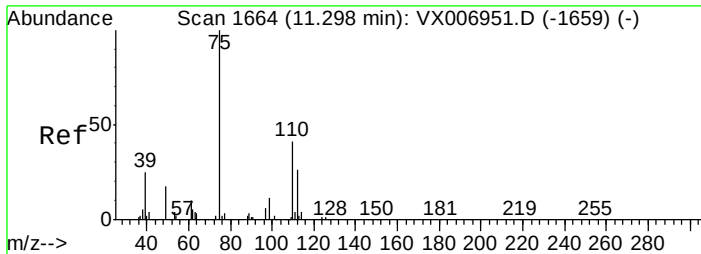


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX007121.D
 Acq: 18 Jan 2019 06:28

Tgt Ion:152 Resp: 397585

Ion	Ratio	Lower	Upper
152	100		

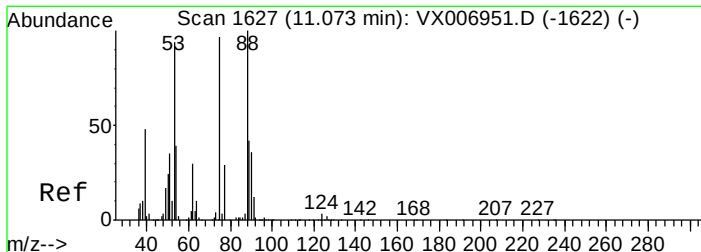
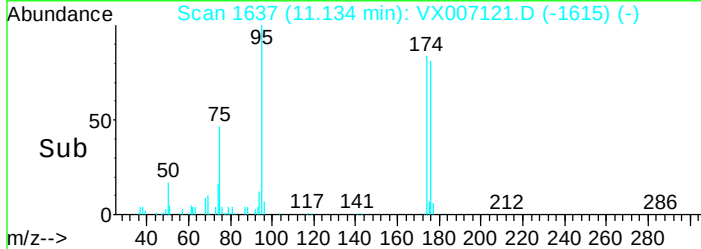
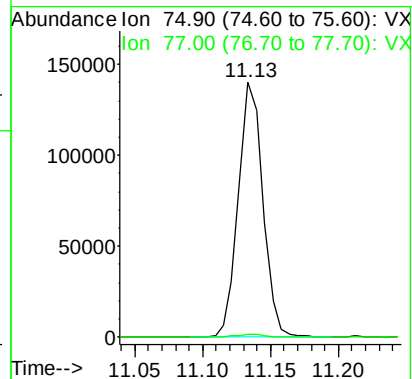
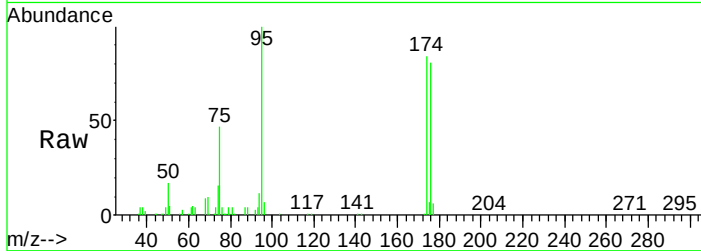




#76
 1,2,3-Trichloropropane
 Concen: 22.033 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007121.D
 Acq: 18 Jan 2019 06:28

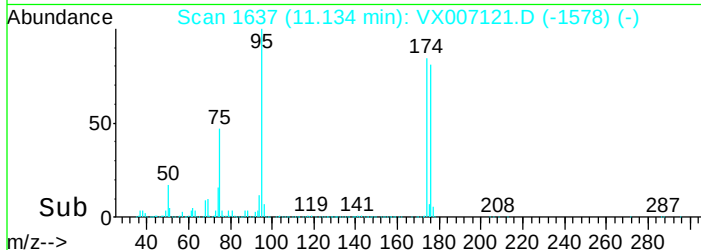
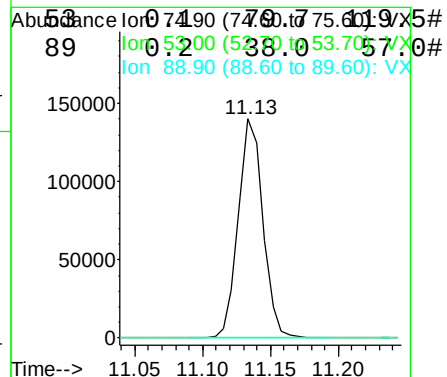
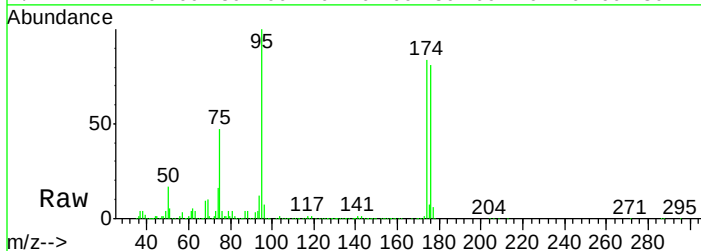
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-07-011519

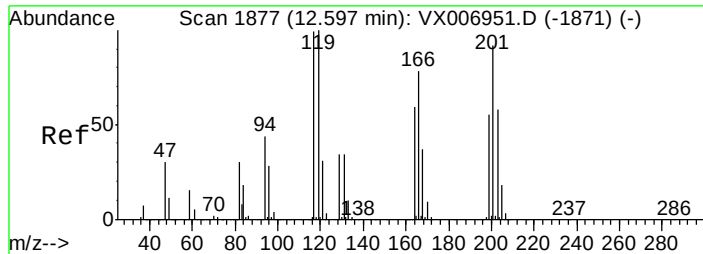
Tot Ion: 75 Resp: 177515
 Ion Ratio Lower Upper
 75 100
 77 1.6 18.5 55.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.244 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007121.D
 Acq: 18 Jan 2019 06:28

Tgt Ion: 75 Resp: 177515
 Ion Ratio Lower Upper
 75 100





#90
 Hexachloroethane
 Concen: 2.928 ug/l
 RT: 12.67 min Scan# 1889
 Delta R.T. 0.07 min
 Lab File: VX007121.D
 Acq: 18 Jan 2019 06:28

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-07-011519

Tot Ion:117 Resp: 85
 Ion Ratio Lower Upper
 117 100
 201 90.6 42.9 128.7

