

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\
 Data File : VX007120.D
 Acq On : 18 Jan 2019 06:02
 Operator : JC/SP
 Sample : K1157-26
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-06-011519

Quant Time: Jan 18 07:32:43 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	549940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	856546	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	813007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	387717	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	300153	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
35) Dibromofluoromethane	5.50	113	263955	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
50) Toluene-d8	8.71	98	1045842	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	
62) 4-Bromofluorobenzene	11.13	95	362711	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	

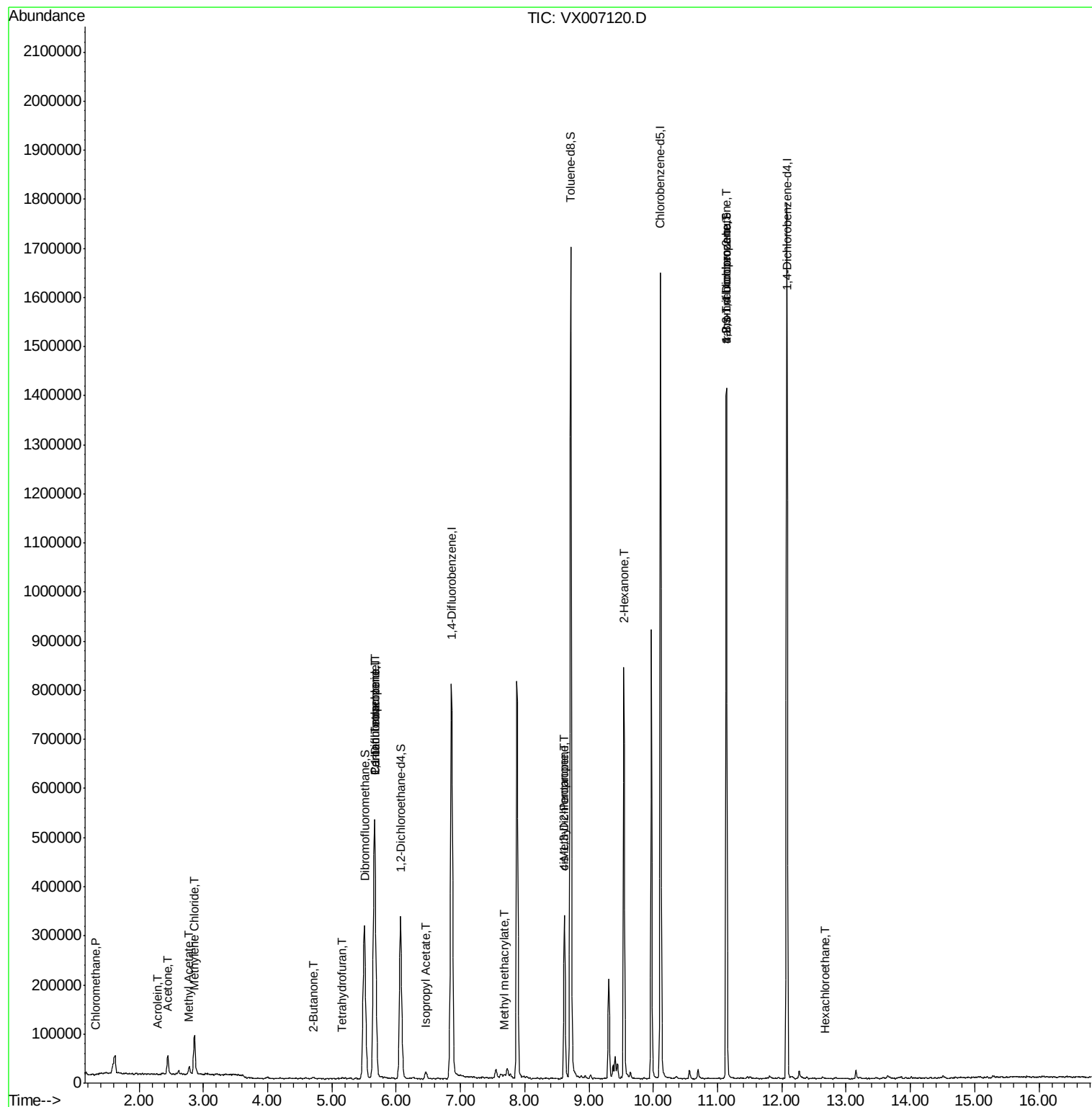
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1595	0.303	ug/l #	87
13) Acrolein	2.28	56	579	4.062	ug/l	94
16) Acetone	2.45	43	41108	14.468	ug/l	98
18) Methyl Acetate	2.78	43	20295	2.467	ug/l	99
20) Methylene Chloride	2.86	84	39223	6.769	ug/l	93
25) 2-Butanone	4.71	43	3592	0.884	ug/l #	71
29) Tetrahydrofuran	5.16	42	1094	0.414	ug/l #	53
36) 1,1-Dichloropropene	5.67	75	35977	4.831	ug/l #	49
38) Carbon Tetrachloride	5.66	117	50630	6.757	ug/l #	15
43) Isopropyl Acetate	6.46	43	18832	1.495	ug/l	95
48) Methyl methacrylate	7.68	41	8895	1.375	ug/l #	22
49) 1,4-Dioxane	7.76	88	77	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.62	43	108099	13.357	ug/l #	48
54) cis-1,3-Dichloropropene	8.62	75	55095	6.584	ug/l #	63
59) 2-Hexanone	9.54	43	91819	14.887	ug/l #	52
76) 1,2,3-Trichloropropane	11.13	75	173693	22.107	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	173693	65.451	ug/l #	10
90) Hexachloroethane	12.66	117	185	2.953	ug/l	55

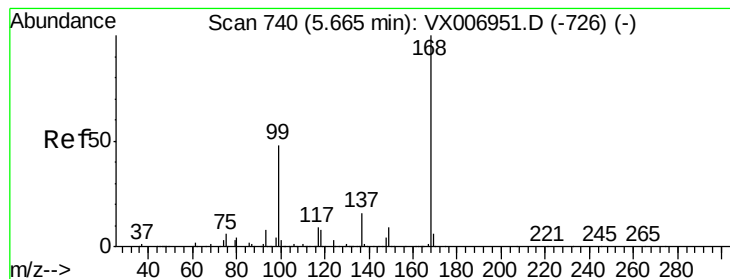
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007120.D

Acq: 18 Jan 2019 06:02

Instrument :

MSVOA_X

ClientSampleId :

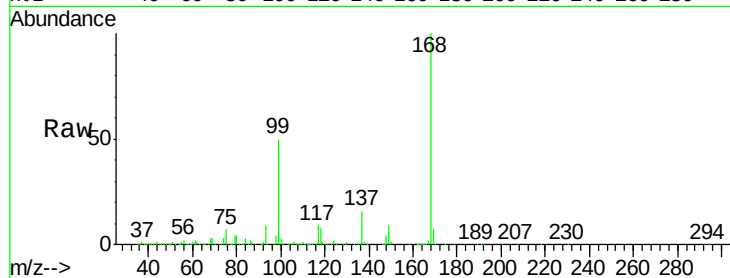
WC-06-011519

Tot Ion:168 Resp: 549940

Ion Ratio Lower Upper

168 100

99 49.6 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

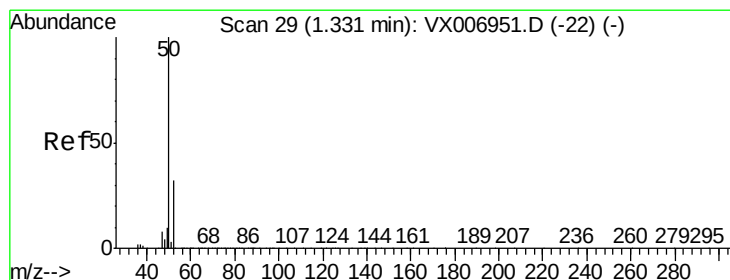
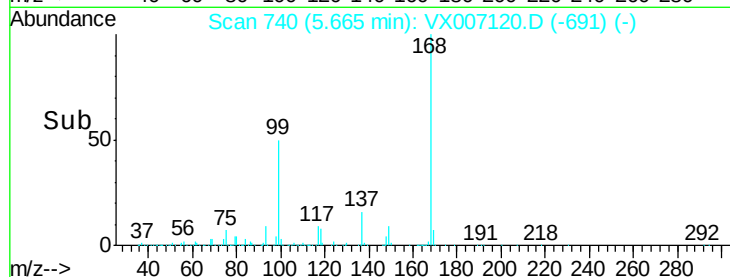
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.303 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007120.D

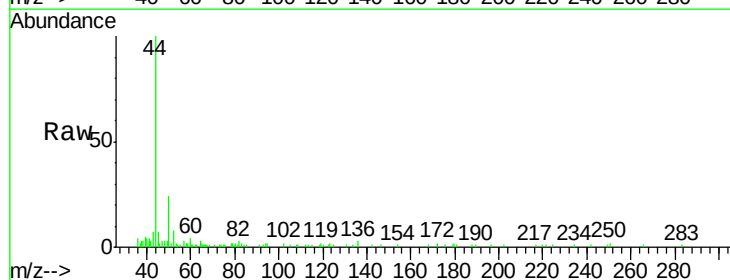
Acq: 18 Jan 2019 06:02

Tgt Ion: 50 Resp: 1595

Ion Ratio Lower Upper

50 100

52 24.7 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

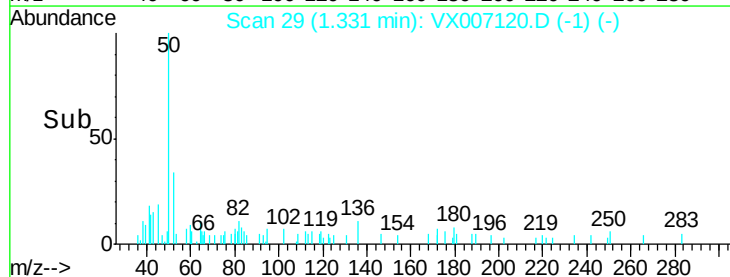
1500

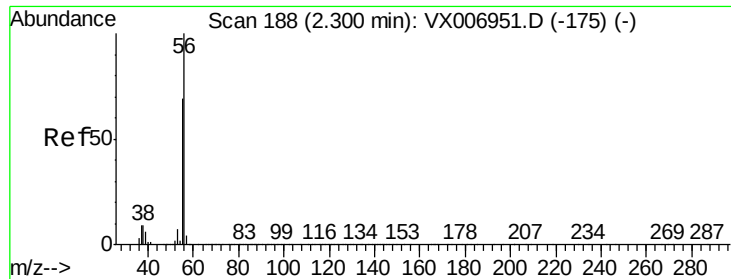
1000

500

0

Time-->





#13

Acrolein

Concen: 4.062 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.02 min

Lab File: VX007120.D

Acq: 18 Jan 2019 06:02

Instrument :

MSVOA_X

ClientSampleId :

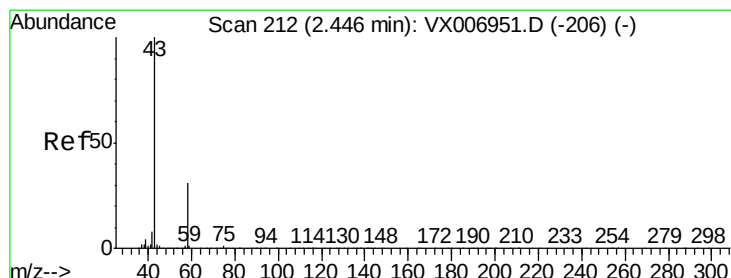
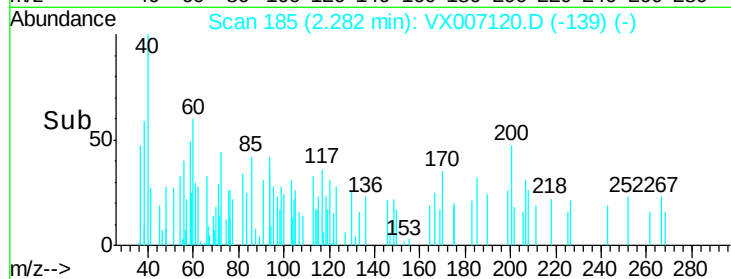
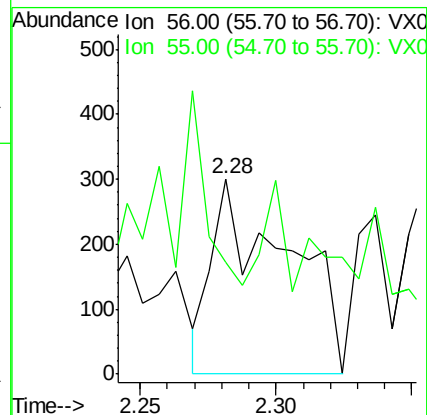
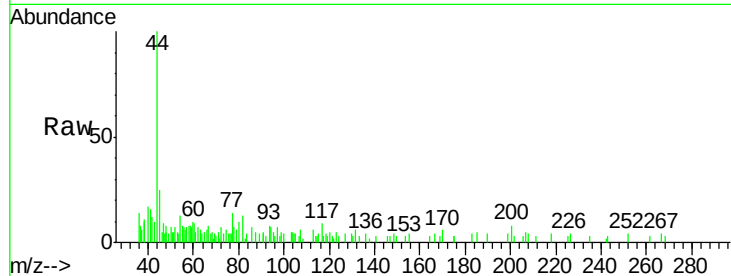
WC-06-011519

Tot Ion: 56 Resp: 579

Ion Ratio Lower Upper

56 100

55 78.1 58.2 87.4



#16

Acetone

Concen: 14.468 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007120.D

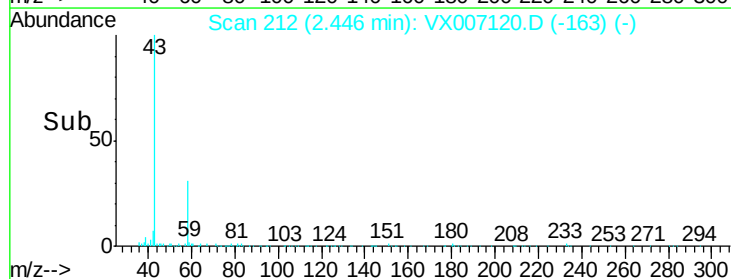
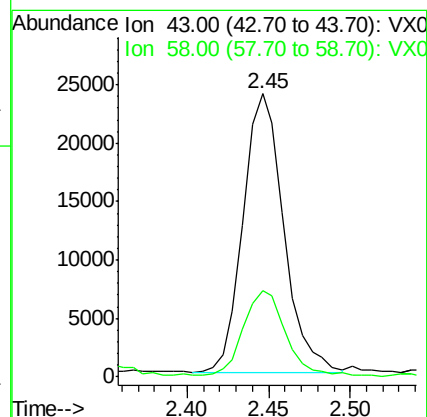
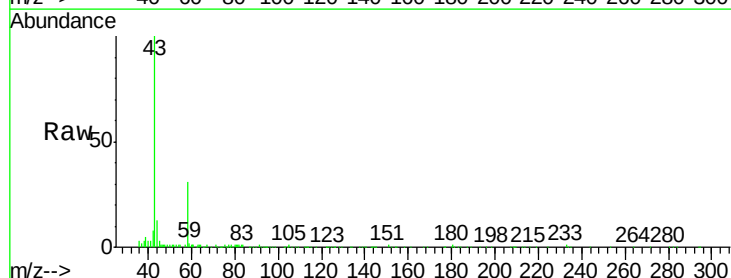
Acq: 18 Jan 2019 06:02

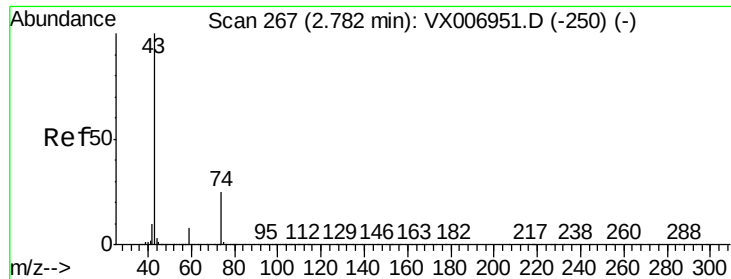
Tgt Ion: 43 Resp: 41108

Ion Ratio Lower Upper

43 100

58 30.4 25.0 37.6

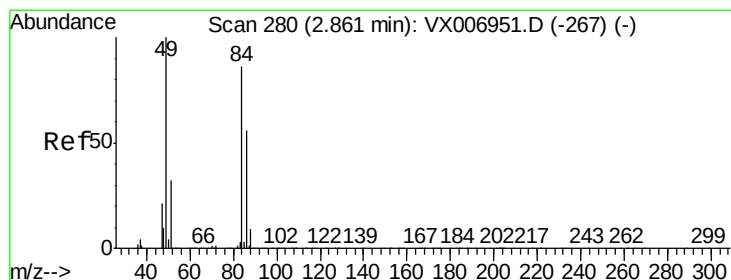
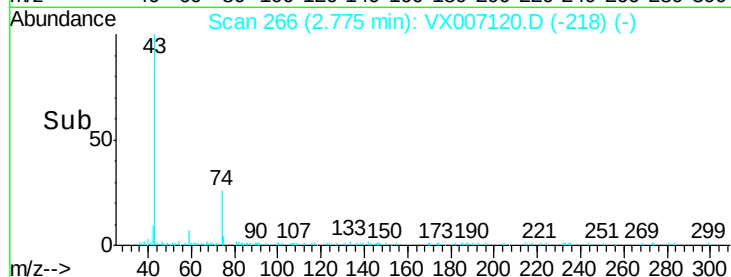
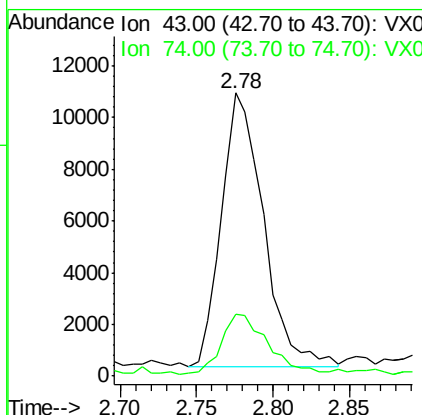
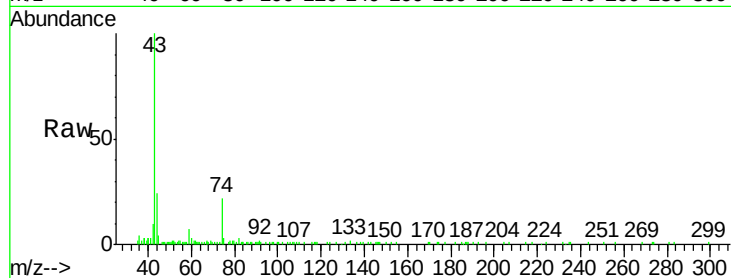




#18
Methyl Acetate
Concen: 2.467 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007120.D
Acq: 18 Jan 2019 06:02

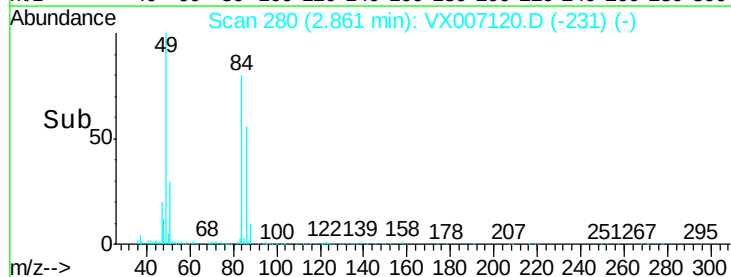
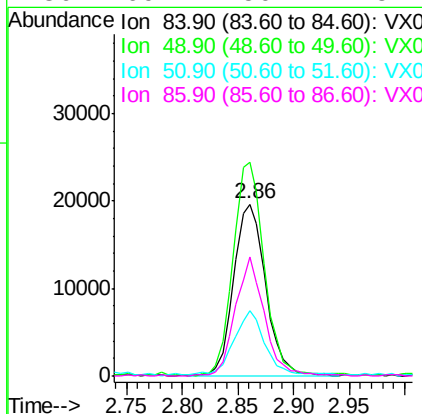
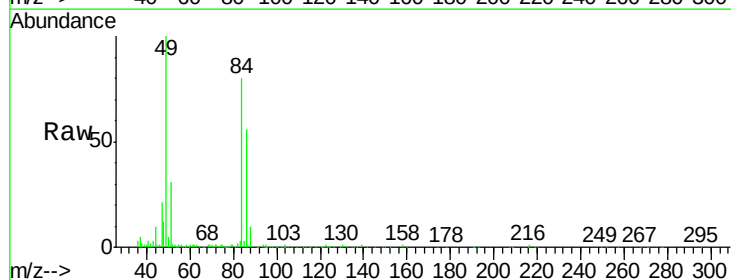
Instrument :
MSVOA_X
ClientSampleId :
WC-06-011519

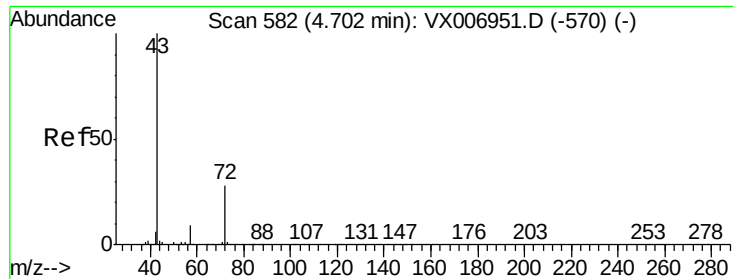
Tot Ion: 43 Resp: 20295
Ion Ratio Lower Upper
43 100
74 23.6 18.6 28.0



#20
Methylene Chloride
Concen: 6.769 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007120.D
Acq: 18 Jan 2019 06:02

Tgt Ion: 84 Resp: 39223
Ion Ratio Lower Upper
84 100
49 123.5 91.8 137.6
51 37.7 28.5 42.7
86 69.2 50.2 75.2





#25

2-Butanone

Concen: 0.884 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX007120.D

Acq: 18 Jan 2019 06:02

Instrument :

MSVOA_X

ClientSampleId :

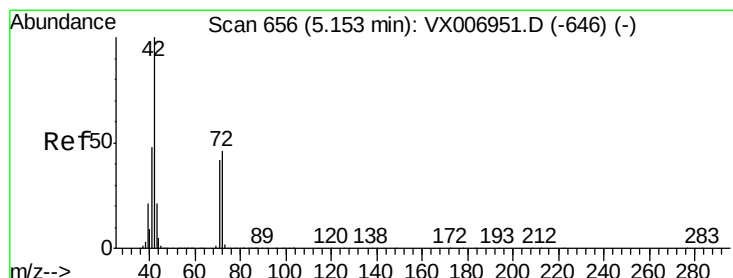
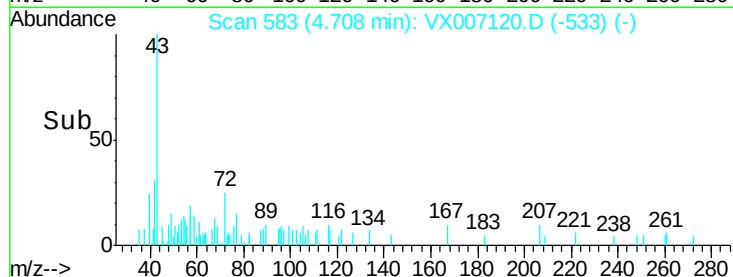
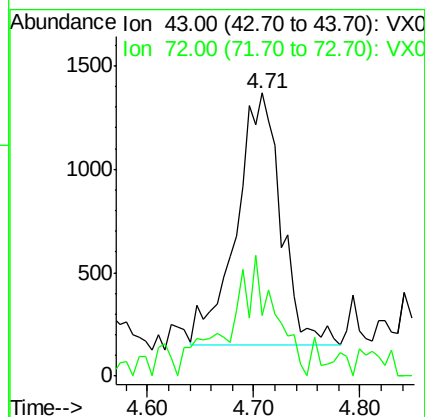
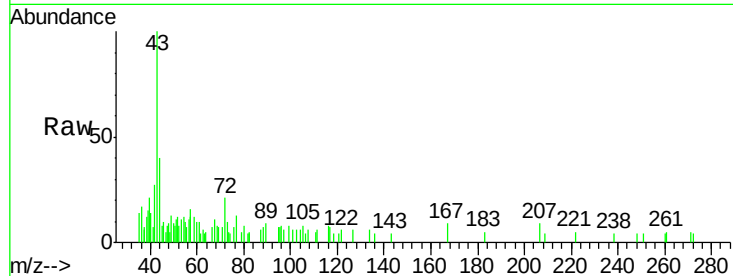
WC-06-011519

Tot Ion: 43 Resp: 3592

Ion Ratio Lower Upper

43 100

72 12.6 22.4 33.6#



#29

Tetrahydrofuran

Concen: 0.414 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007120.D

Acq: 18 Jan 2019 06:02

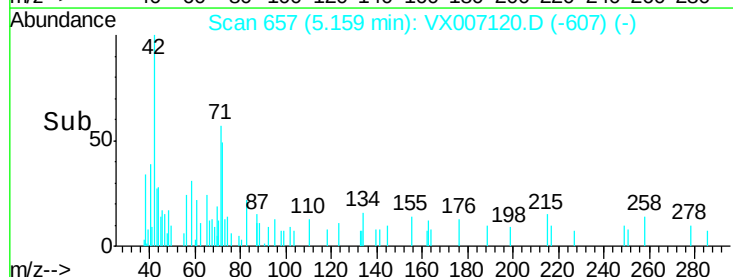
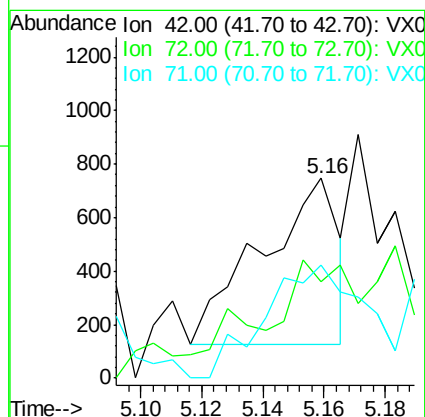
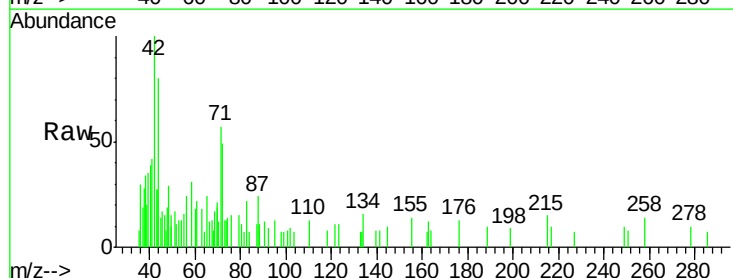
Tgt Ion: 42 Resp: 1094

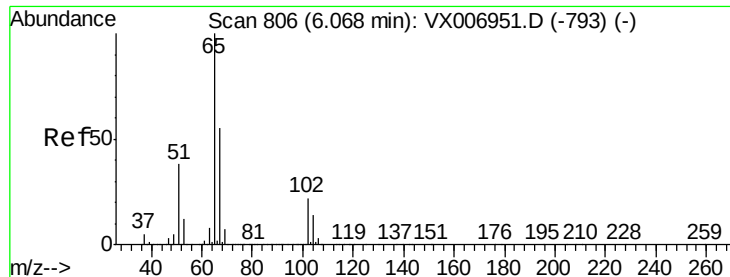
Ion Ratio Lower Upper

42 100

72 27.6 38.9 58.3#

71 88.0 36.2 54.4#





#33

1,2-Dichloroethane-d4

Concen: 52.225 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007120.D

Acq: 18 Jan 2019 06:02

Instrument :

MSVOA_X

ClientSampleId :

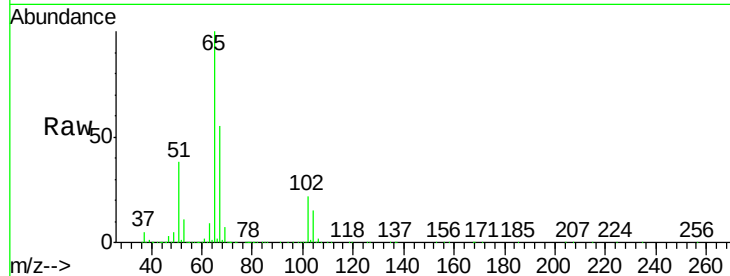
WC-06-011519

Tot Ion: 65 Resp: 300153

Ion Ratio Lower Upper

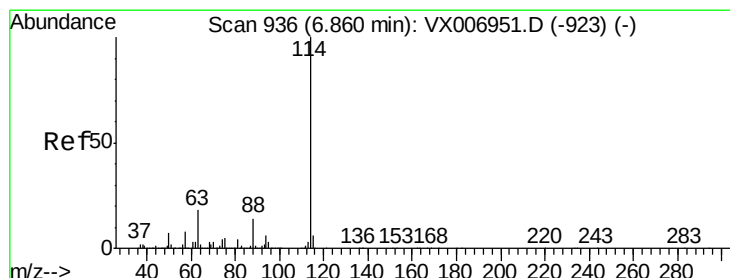
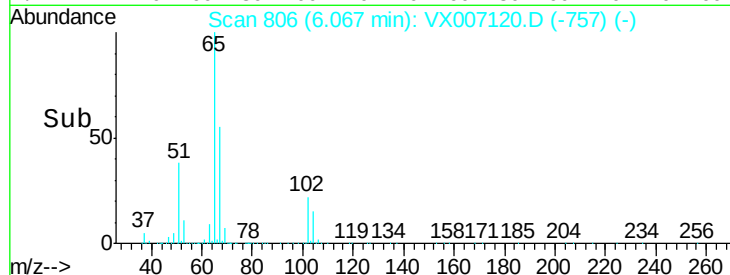
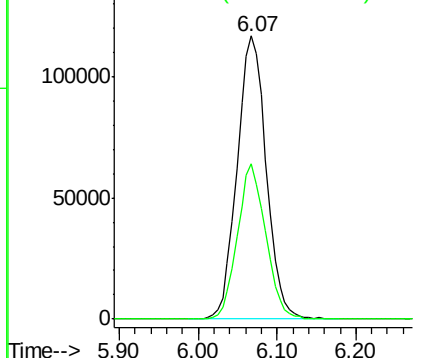
65 100

67 53.1 0.0 105.0



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: VX007120.D

Acq: 18 Jan 2019 06:02

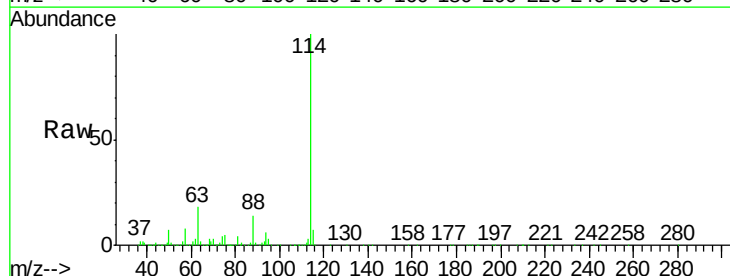
Tgt Ion: 114 Resp: 856546

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.8

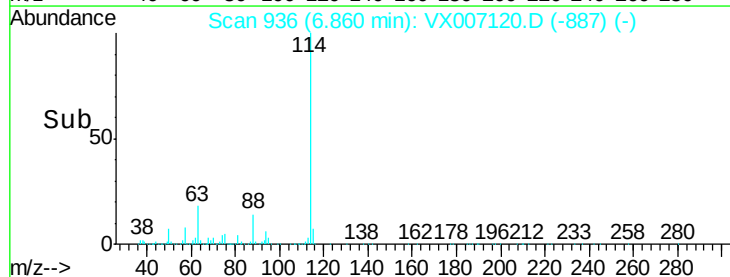
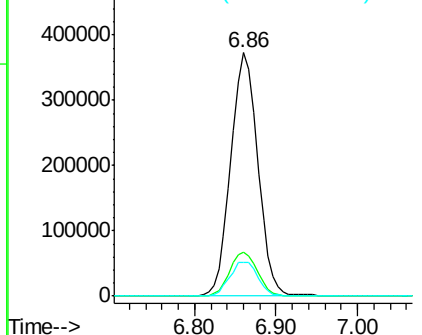
88 13.8 0.0 28.8

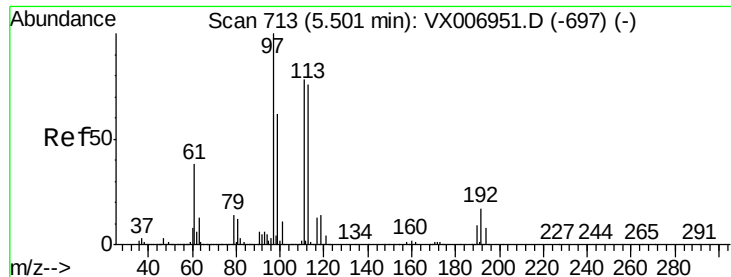


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.121 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007120.D

Acq: 18 Jan 2019 06:02

Instrument :

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WC-06-011519

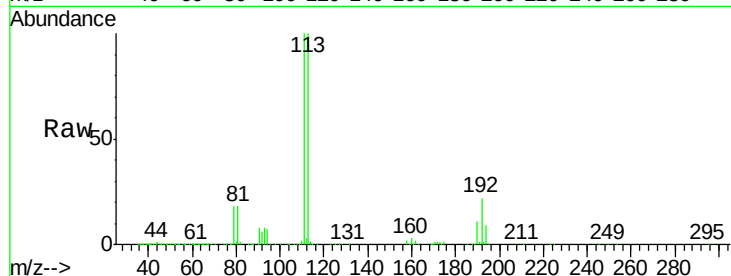
Tot Ion:113 Resp: 263955

Ion Ratio Lower Upper

113 100

111 102.2 81.6 122.4

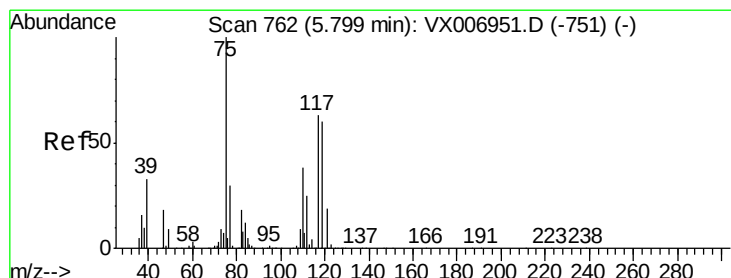
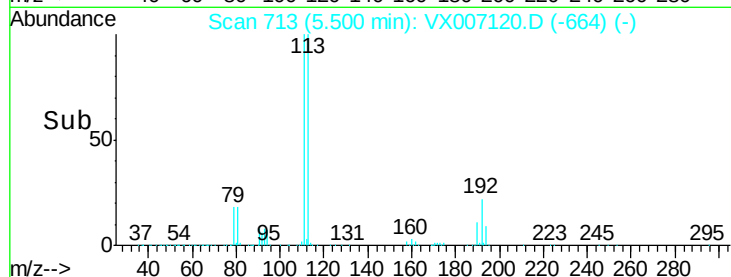
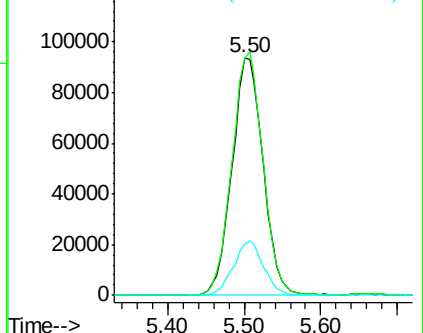
192 22.2 16.7 25.1



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: 4.831 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007120.D

Acq: 18 Jan 2019 06:02

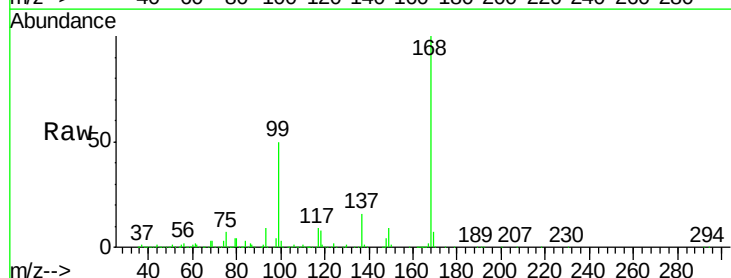
Tgt Ion: 75 Resp: 35977

Ion Ratio Lower Upper

75 100

110 10.9 20.2 60.5#

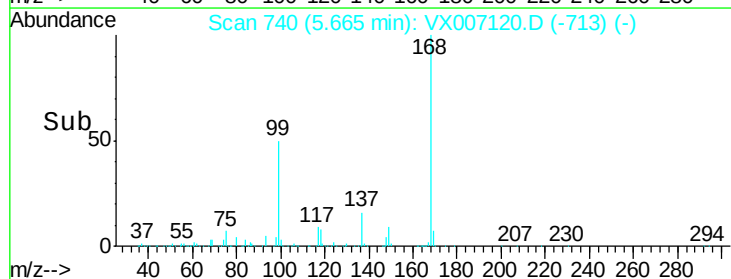
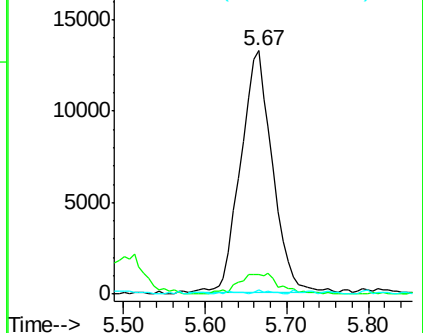
77 0.8 24.8 37.2#

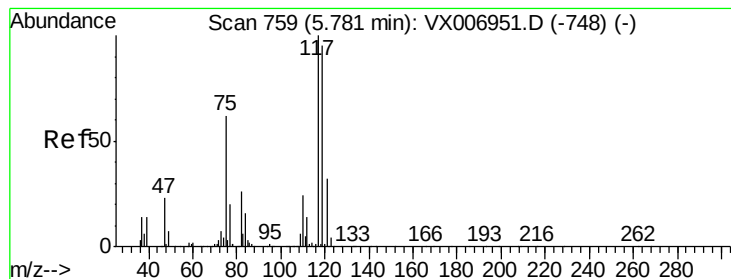


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.757 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007120.D

Acq: 18 Jan 2019 06:02

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ClientSampleId :

WC-06-011519

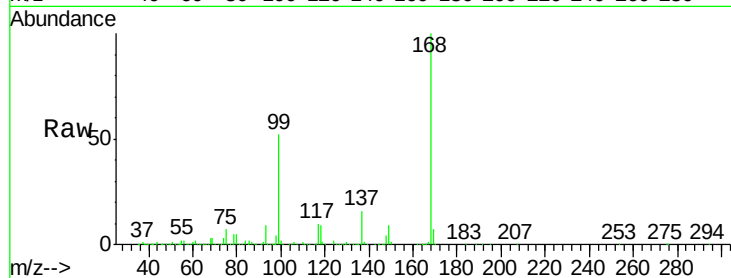
Tot Ion:117 Resp: 50630

Ion Ratio Lower Upper

117 100

119 5.2 79.4 119.2#

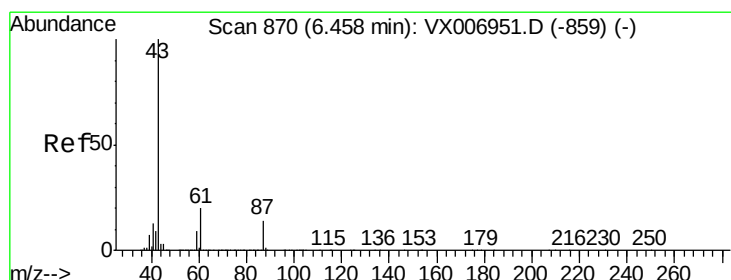
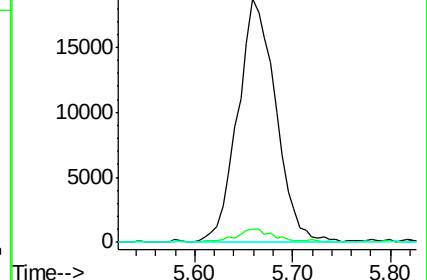
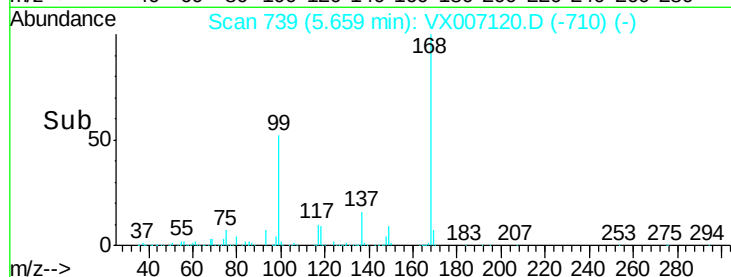
121 0.0 24.0 36.0#



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



#43

Isopropyl Acetate

Concen: 1.495 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX007120.D

Acq: 18 Jan 2019 06:02

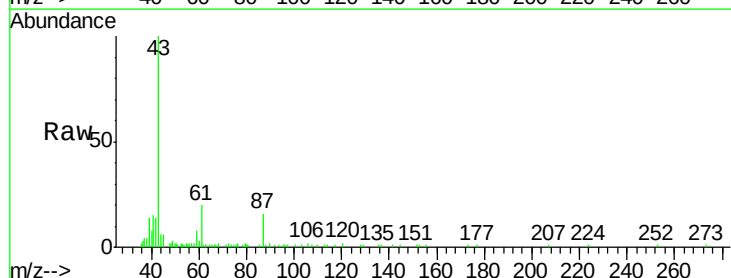
Tgt Ion: 43 Resp: 18832

Ion Ratio Lower Upper

43 100

61 22.9 16.8 25.2

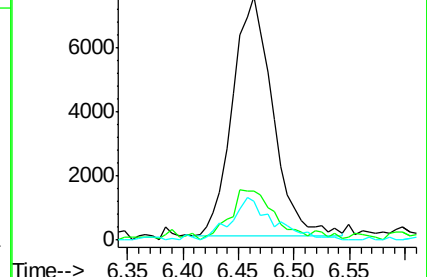
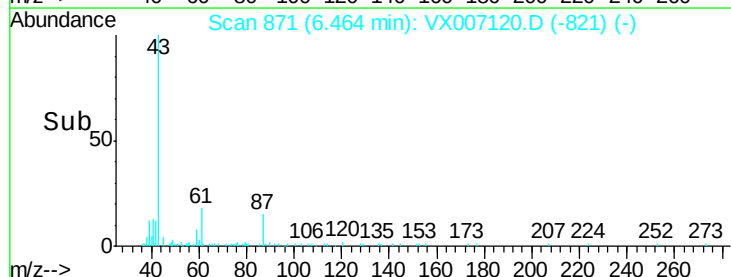
87 18.6 12.4 18.6

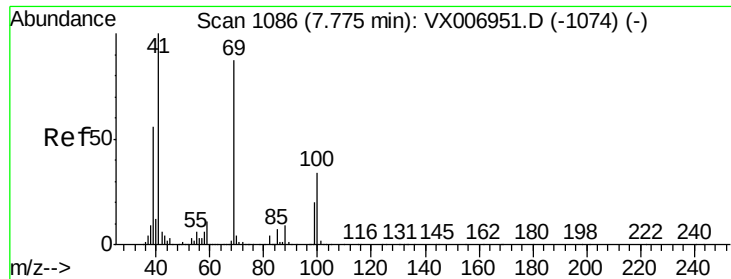


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

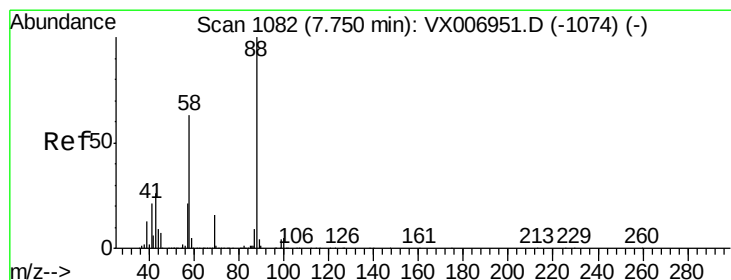
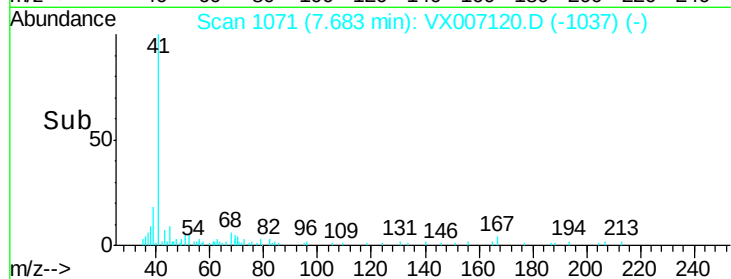
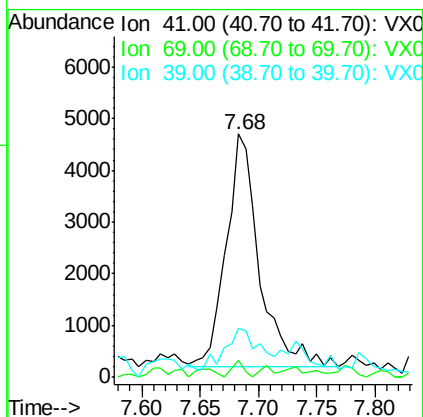
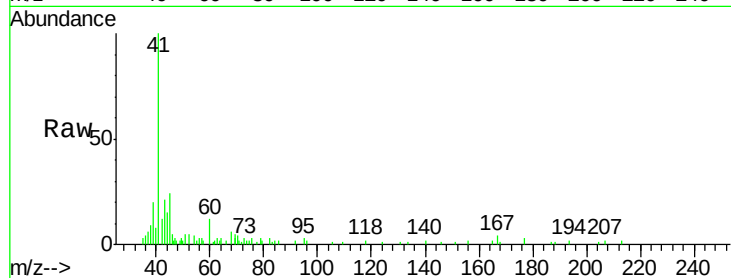




#48
Methyl methacrylate
Concen: 1.375 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.09 min
Lab File: VX007120.D
Acq: 18 Jan 2019 06:02

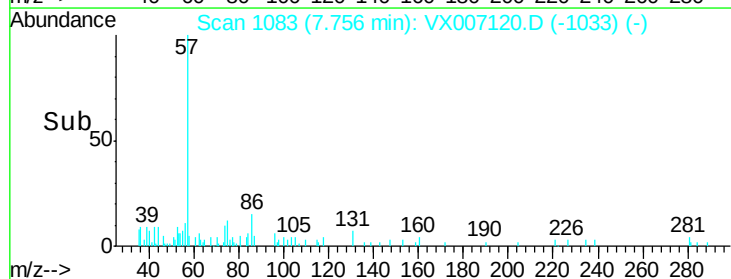
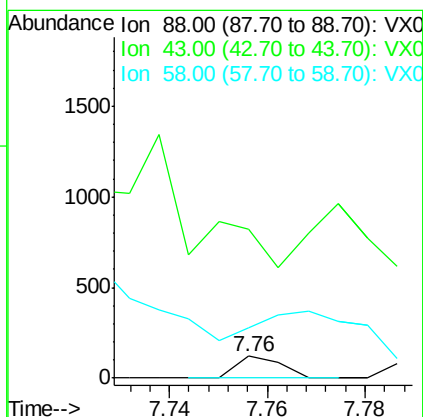
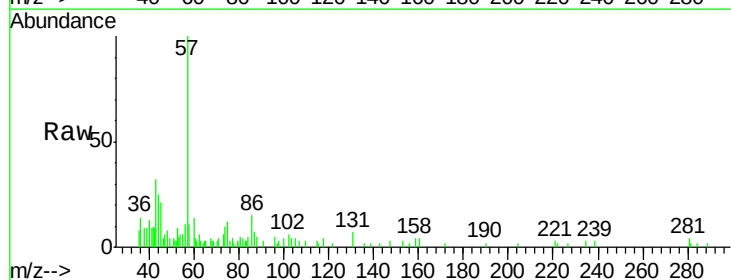
Instrument :
MSVOA_X
ClientSampleId :
WC-06-011519

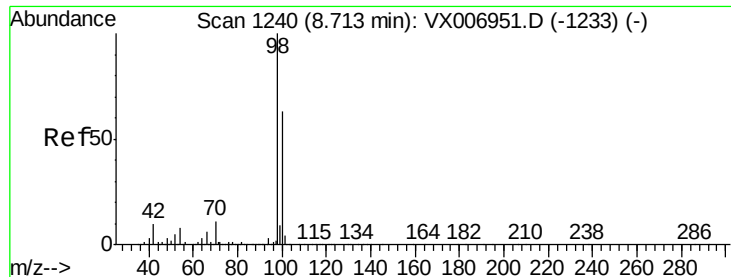
Tot Ion	Ratio	Lower	Upper
41	100		
69	2.6	72.4	108.6#
39	18.0	45.8	68.8#



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX007120.D
Acq: 18 Jan 2019 06:02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.2	33.4#
58	807.8	51.0	76.4#





#50

Toluene-d8

Concen: 52.089 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007120.D

Acq: 18 Jan 2019 06:02

Instrument :

MSVOA_X

ClientSampleId :

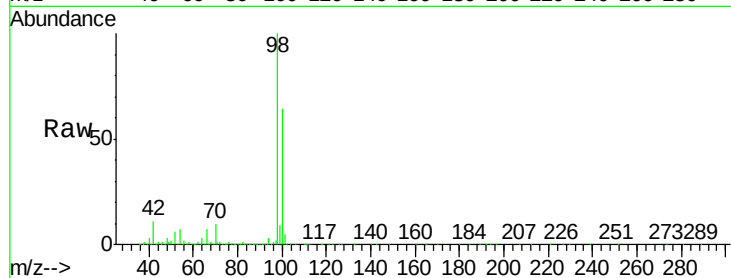
WC-06-011519

Tot Ion: 98 Resp: 1045842

Ion Ratio Lower Upper

98 100

100 63.7 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

600000

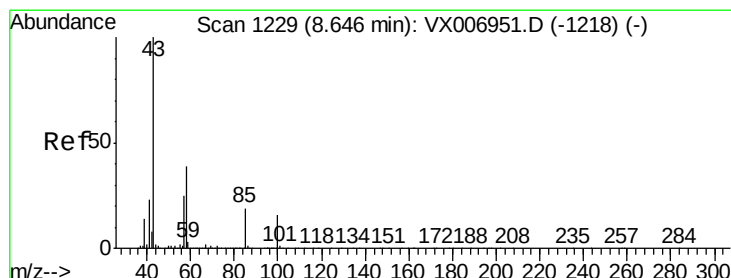
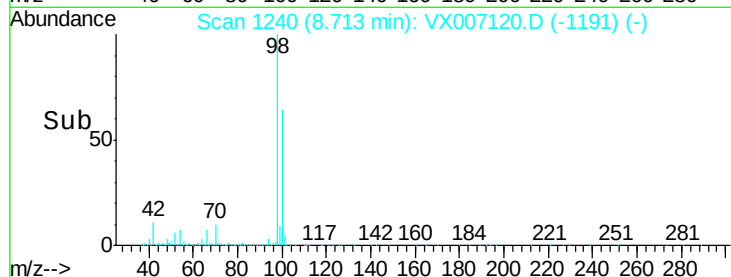
400000

200000

0

Time-->

8.60 8.70 8.80 8.90



#51

4-Methyl-2-Pentanone

Concen: 13.357 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX007120.D

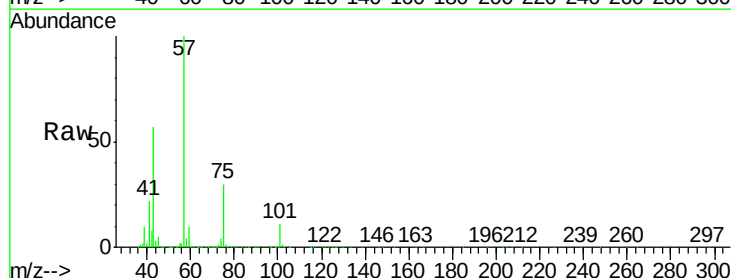
Acq: 18 Jan 2019 06:02

Tgt Ion: 43 Resp: 108099

Ion Ratio Lower Upper

43 100

58 7.9 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

80000

60000

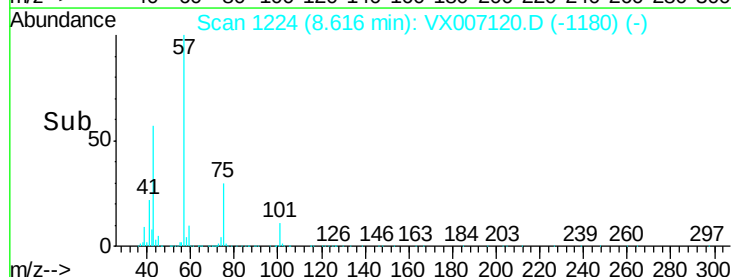
40000

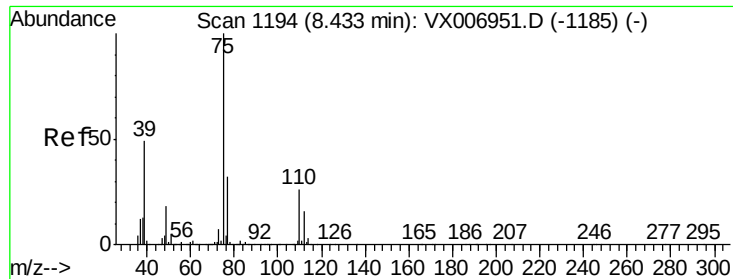
20000

0

Time-->

8.55 8.60 8.65 8.70





#54

cis-1,3-Dichloropropene

Concen: 6.584 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX007120.D

Acq: 18 Jan 2019 06:02

Instrument :

MSVOA_X

ClientSampleId :

WC-06-011519

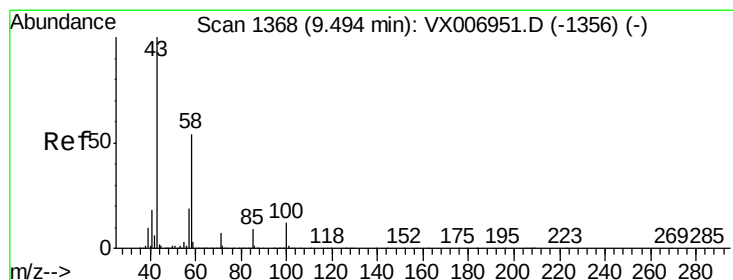
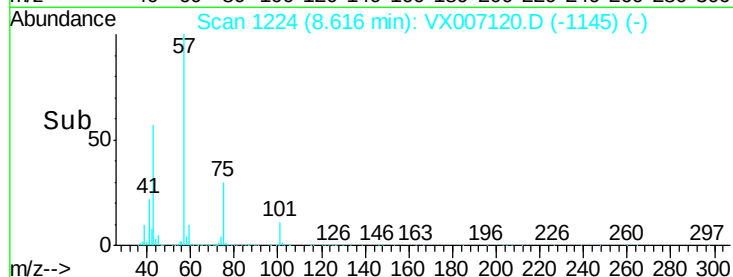
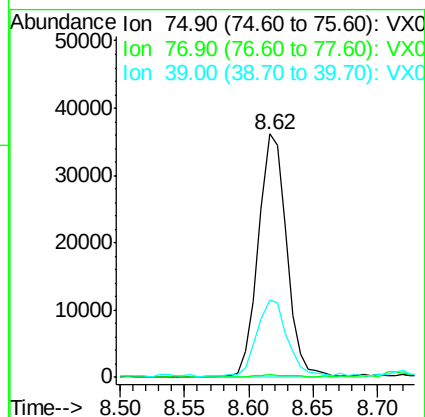
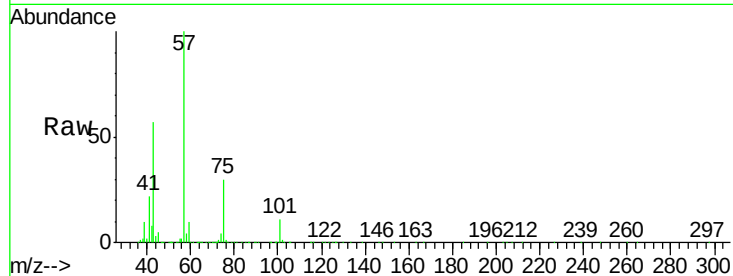
Tot Ion: 75 Resp: 55095

Ion Ratio Lower Upper

75 100

77 1.3 26.2 39.2#

39 30.5 36.7 55.1#



#59

2-Hexanone

Concen: 14.887 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX007120.D

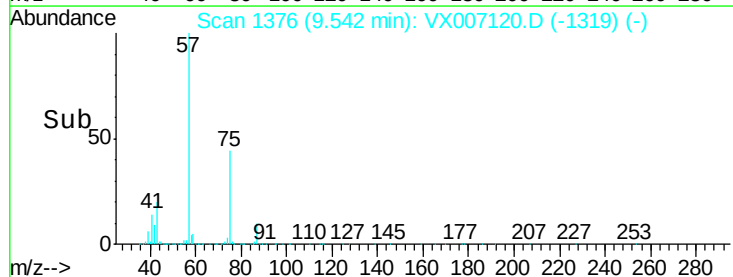
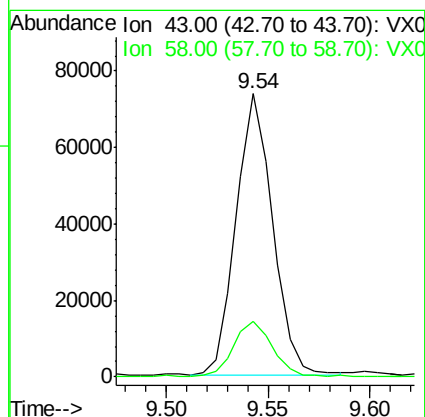
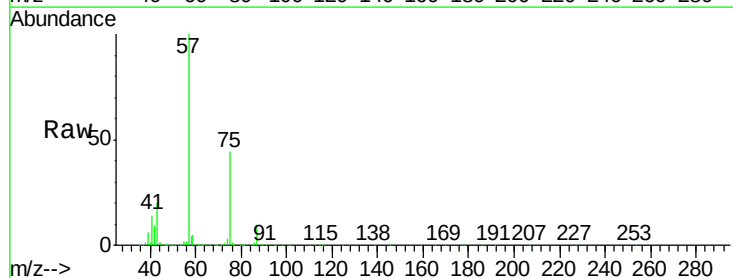
Acq: 18 Jan 2019 06:02

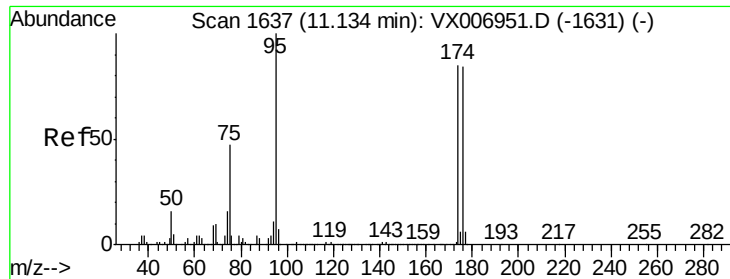
Tgt Ion: 43 Resp: 91819

Ion Ratio Lower Upper

43 100

58 20.5 27.7 83.1#





#62

4-Bromofluorobenzene

Concen: 51.819 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007120.D

Acq: 18 Jan 2019 06:02

Instrument :

MSVOA_X

ClientSampleId :

WC-06-011519

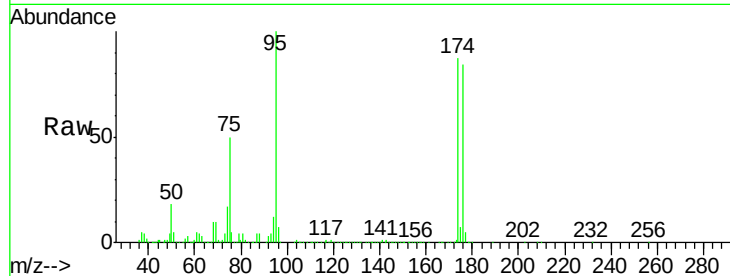
Tot Ion: 95 Resp: 362711

Ion Ratio Lower Upper

95 100

174 93.2 0.0 182.2

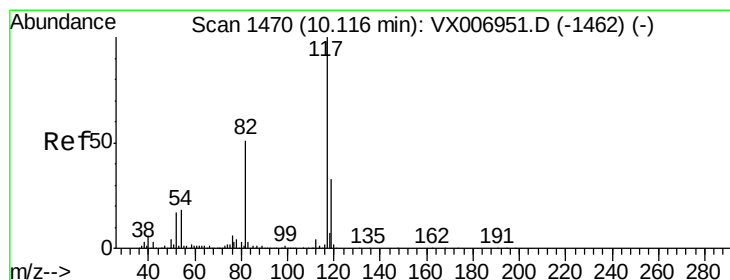
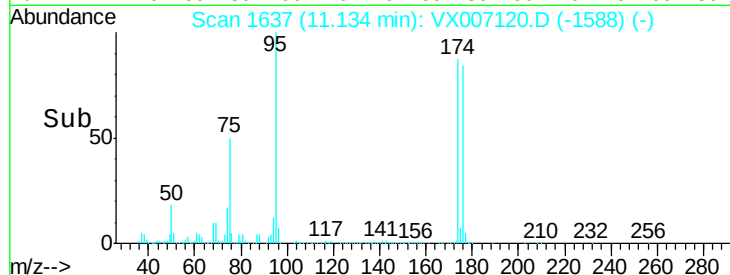
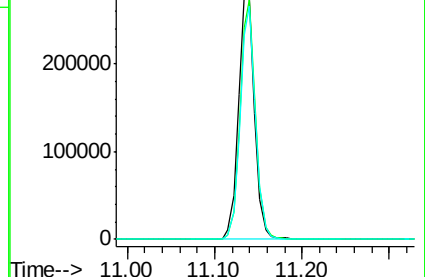
176 90.4 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006951.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006951.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006951.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX007120.D

Acq: 18 Jan 2019 06:02

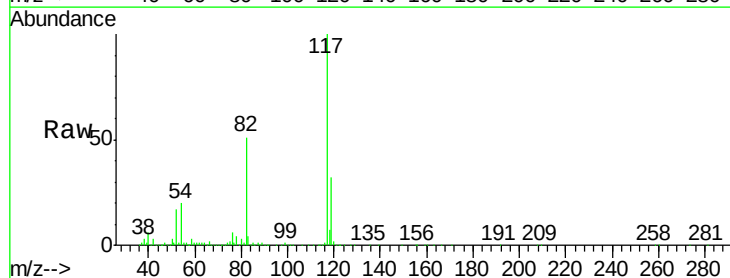
Tgt Ion: 117 Resp: 813007

Ion Ratio Lower Upper

117 100

82 51.4 41.0 61.6

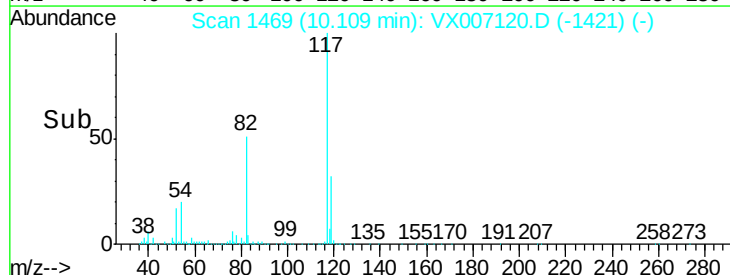
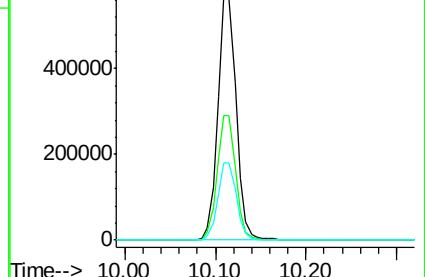
119 31.8 25.4 38.0

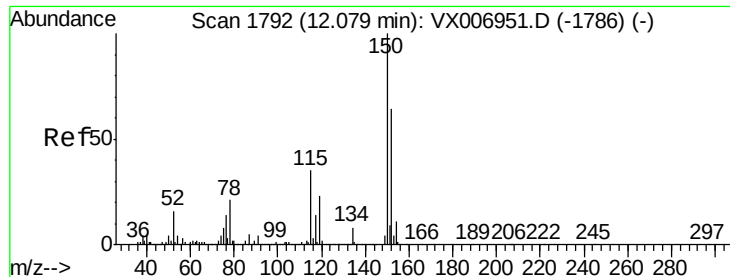


Abundance Ion 116.90 (116.60 to 117.60): VX006951.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006951.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006951.D (-1462) (-)



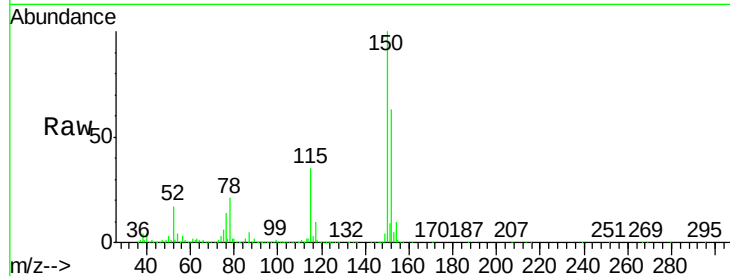


#72

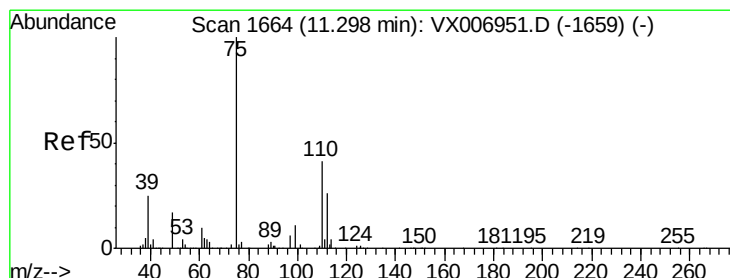
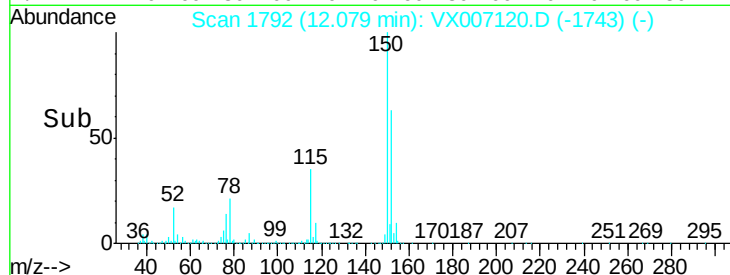
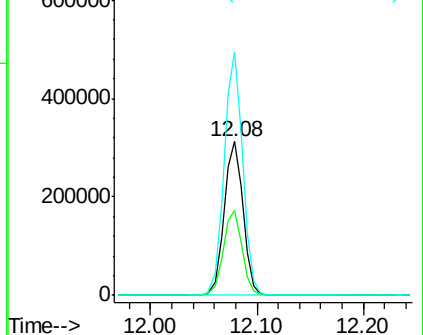
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007120.D
Acq: 18 Jan 2019 06:02

Instrument :
MSVOA_X
ClientSampleId :
WC-06-011519

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	39.1	117.2
150	155.2	0.0	344.8



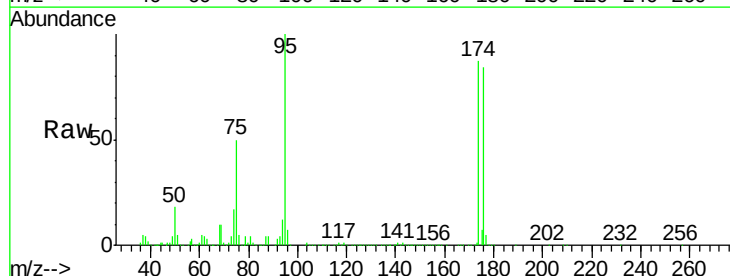
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



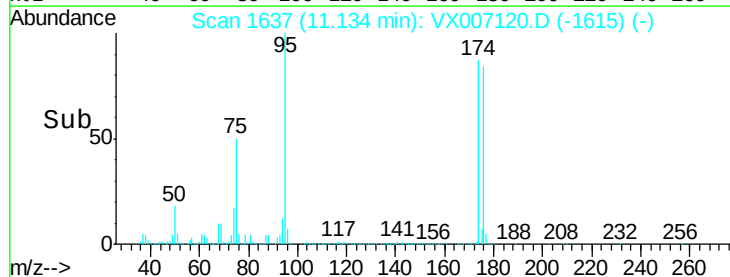
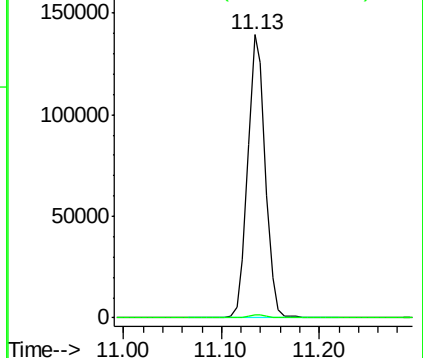
#76

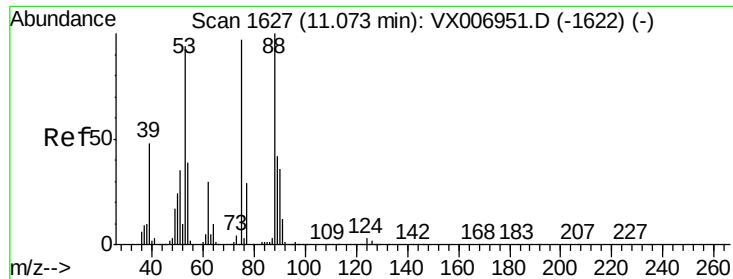
1,2,3-Trichloropropane
Concen: 22.107 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007120.D
Acq: 18 Jan 2019 06:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	18.5	55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

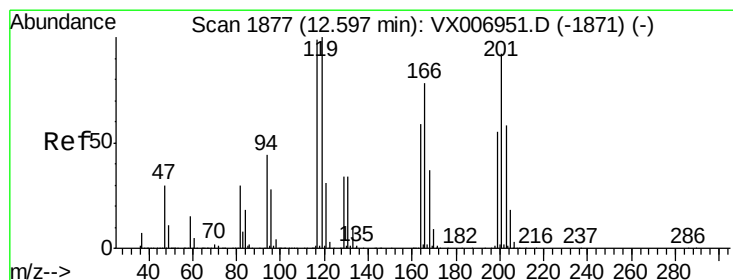
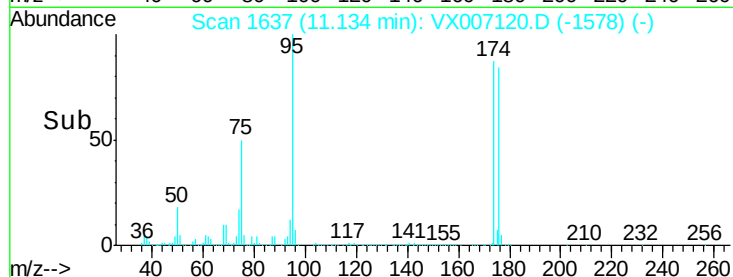
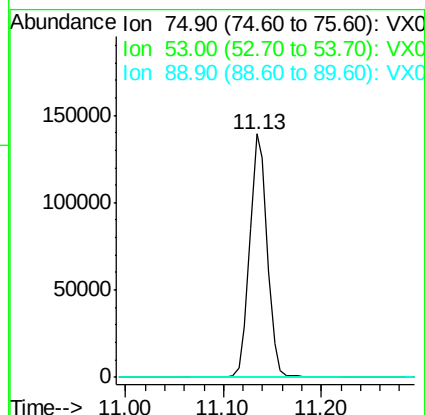
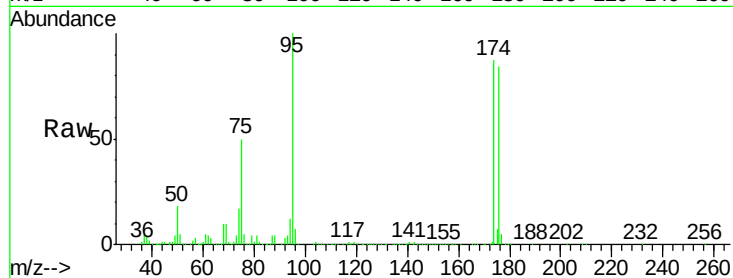




#81
trans-1,4-Dichloro-2-butene
Concen: 65.451 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX007120.D
Acq: 18 Jan 2019 06:02

Instrument :
MSVOA_X
ClientSampleId :
WC-06-011519

Tot Ion: 75 Resp: 173693
Ion Ratio Lower Upper
75 100
53 0.0 79.7 119.5#
89 0.0 38.0 57.0#



#90
Hexachloroethane
Concen: 2.953 ug/l
RT: 12.66 min Scan# 1888
Delta R.T. 0.07 min
Lab File: VX007120.D
Acq: 18 Jan 2019 06:02

Tgt Ion: 117 Resp: 185
Ion Ratio Lower Upper
117 100
201 44.3 42.9 128.7

