

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\
 Data File : VX007119.D
 Acq On : 18 Jan 2019 05:35
 Operator : JC/SP
 Sample : K1157-24
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-05-011519

Quant Time: Jan 18 07:32:28 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	572874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	882683	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	842481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	406090	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	306771	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
35) Dibromofluoromethane	5.50	113	272881	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
50) Toluene-d8	8.71	98	1068067	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	11.13	95	386969	53.65	ug/l	0.00
Spiked Amount			Recovery	=	107.30%	

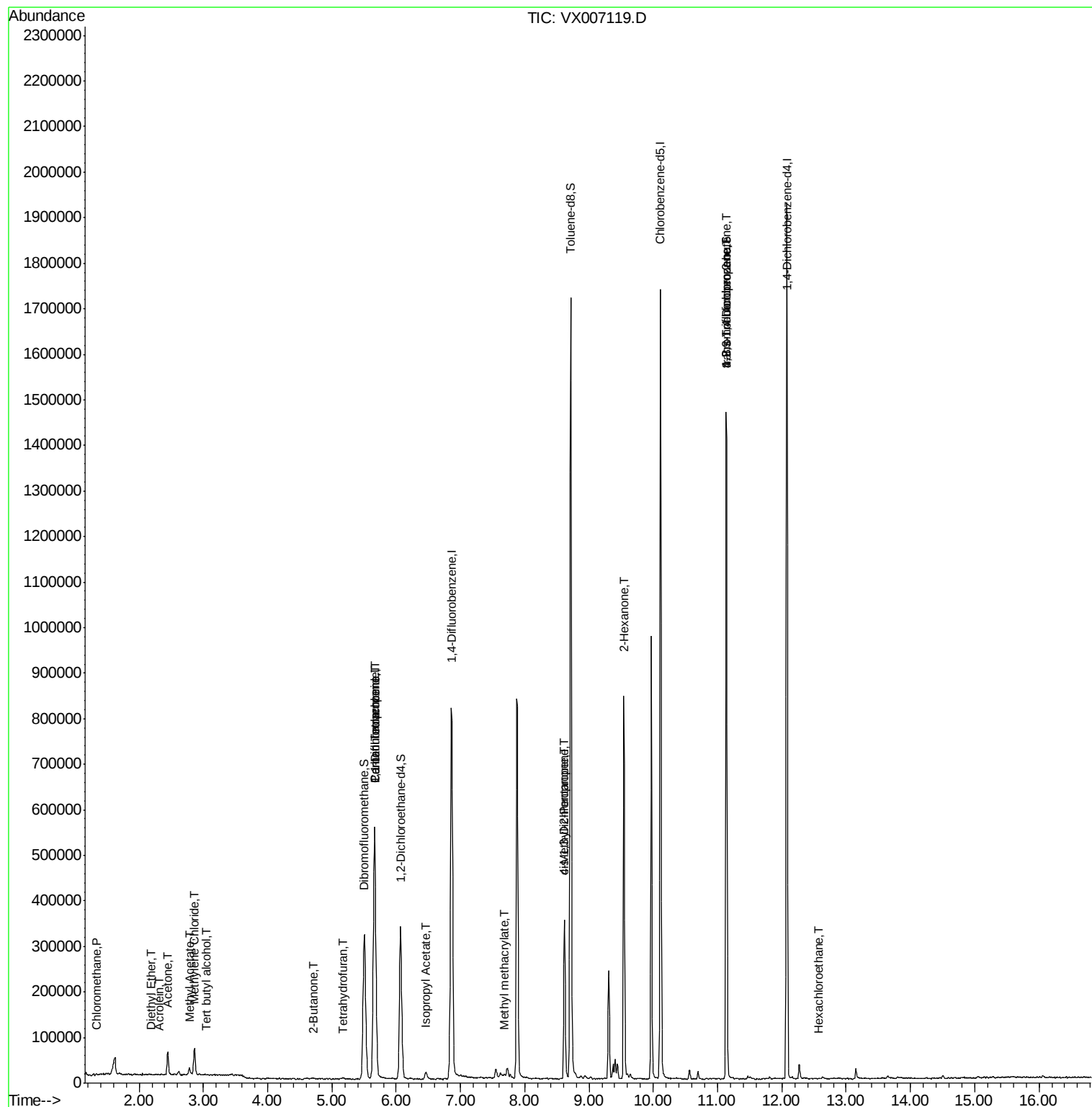
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	2604	0.475	ug/l #	77
8) Diethyl Ether	2.19	74	875	0.231	ug/l	100
11) Tert butyl alcohol	3.06	59	524	0.371	ug/l #	1
13) Acrolein	2.31	56	458	3.827	ug/l #	13
16) Acetone	2.45	43	53779	18.170	ug/l	100
18) Methyl Acetate	2.78	43	21896	2.555	ug/l	99
20) Methylene Chloride	2.86	84	27588	4.384	ug/l	93
25) 2-Butanone	4.71	43	4567	1.078	ug/l	97
29) Tetrahydrofuran	5.16	42	3711	1.348	ug/l #	87
36) 1,1-Dichloropropene	5.67	75	36039	4.696	ug/l #	48
38) Carbon Tetrachloride	5.67	117	50559	6.548	ug/l #	14
43) Isopropyl Acetate	6.46	43	19842	1.529	ug/l	96
48) Methyl methacrylate	7.68	41	8138	1.221	ug/l #	21
49) 1,4-Dioxane	7.73	88	132	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.62	43	116879	14.014	ug/l #	49
54) cis-1,3-Dichloropropene	8.62	75	57562	6.675	ug/l #	64
59) 2-Hexanone	9.54	43	94434	14.858	ug/l #	50
76) 1,2,3-Trichloropropane	11.13	75	181970	22.113	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	181970	65.467	ug/l #	10
90) Hexachloroethane	12.58	117	151	2.943	ug/l #	31

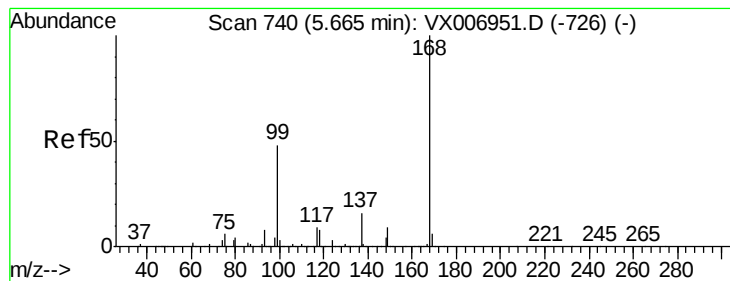
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007119.D

Acq: 18 Jan 2019 05:35

Instrument :

MSVOA_X

ClientSampleId :

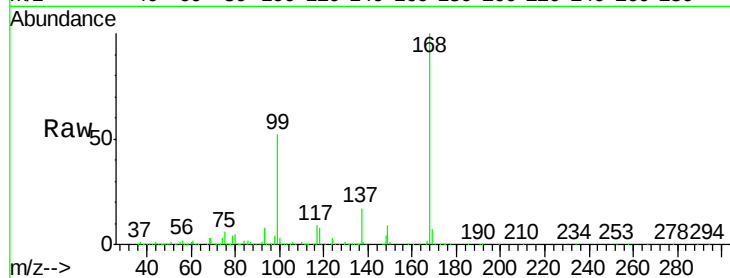
WC-05-011519

Tot Ion:168 Resp: 572874

Ion Ratio Lower Upper

168 100

99 52.2 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

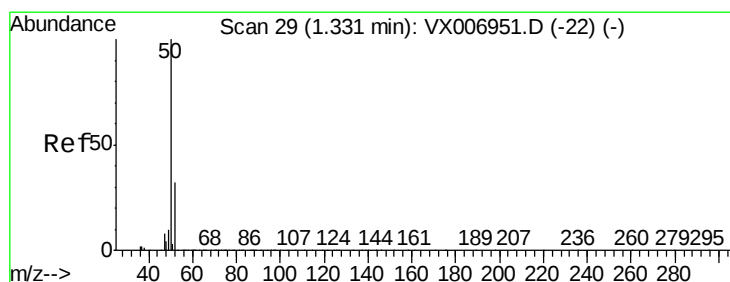
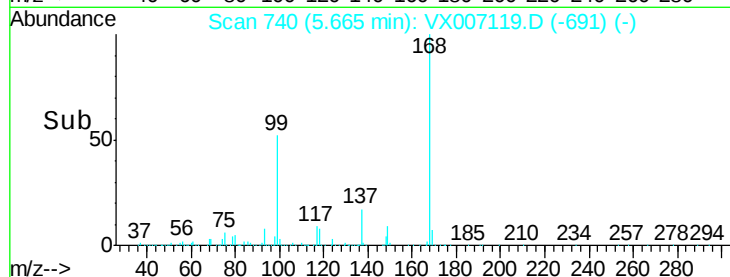
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.475 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007119.D

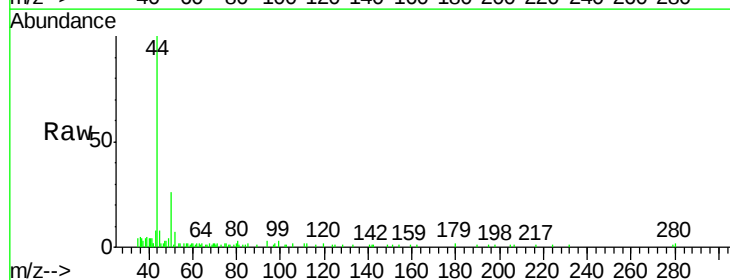
Acq: 18 Jan 2019 05:35

Tgt Ion: 50 Resp: 2604

Ion Ratio Lower Upper

50 100

52 18.8 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

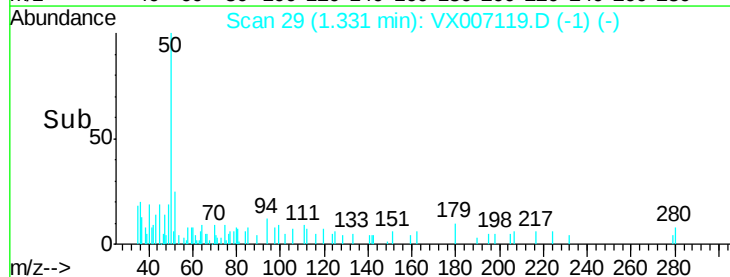
1500

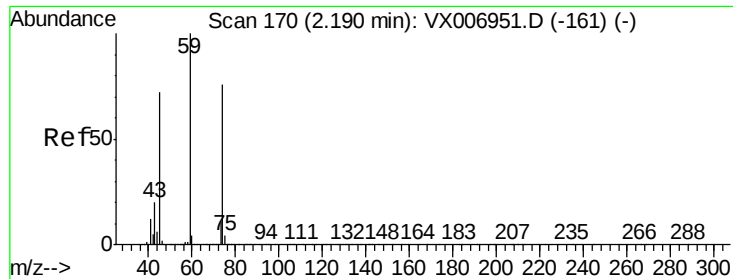
1000

500

0

Time--> 1.30 1.35 1.40





#8

Diethyl Ether

Concen: 0.231 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX007119.D

Acq: 18 Jan 2019 05:35

Instrument :

MSVOA_X

ClientSampleId :

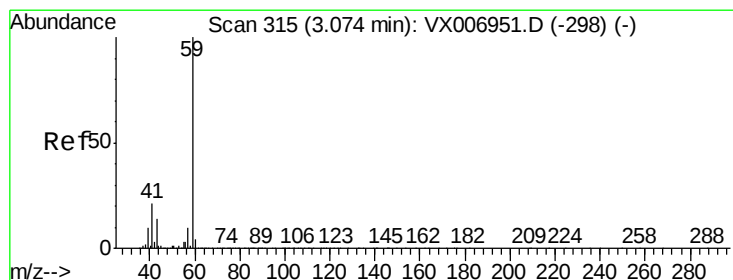
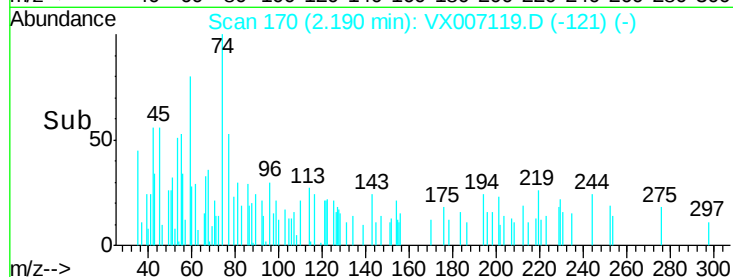
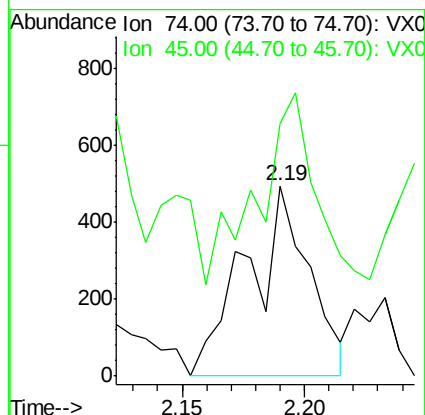
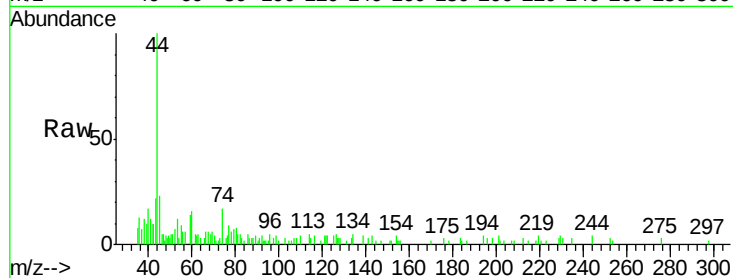
WC-05-011519

Tot Ion: 74 Resp: 875

Ion Ratio Lower Upper

74 100

45 92.2 46.3 138.9



#11

Tert butyl alcohol

Concen: 0.371 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX007119.D

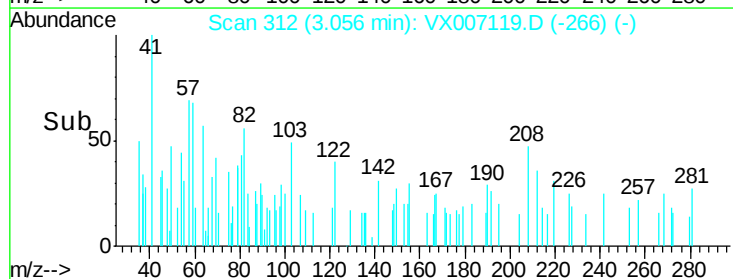
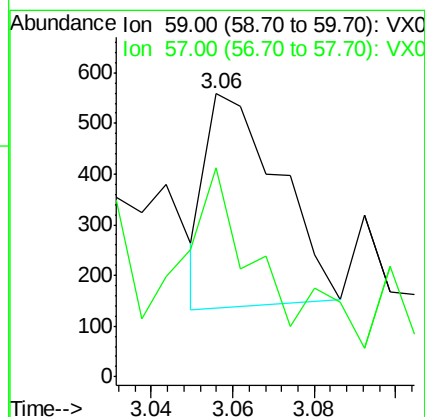
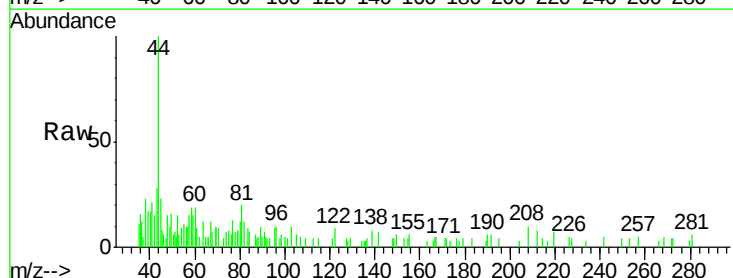
Acq: 18 Jan 2019 05:35

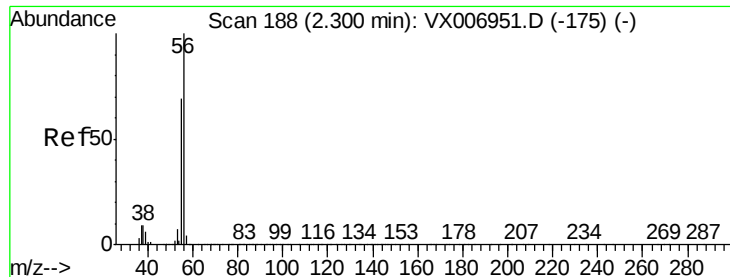
Tgt Ion: 59 Resp: 524

Ion Ratio Lower Upper

59 100

57 89.7 8.5 12.7#





#13

Acrolein

Concen: 3.827 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.01 min

Lab File: VX007119.D

Acq: 18 Jan 2019 05:35

Instrument :

MSVOA_X

ClientSampleId :

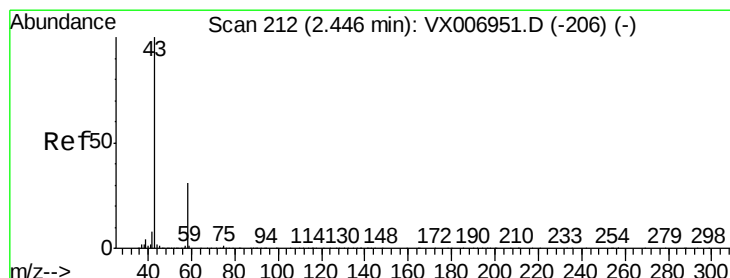
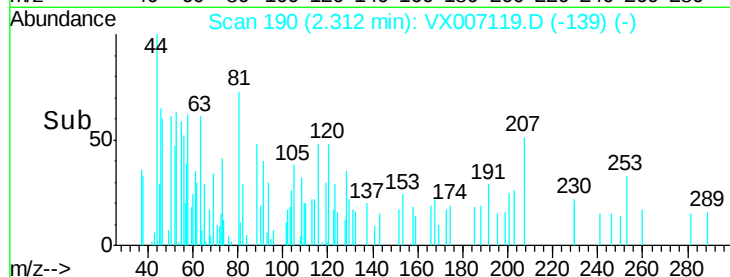
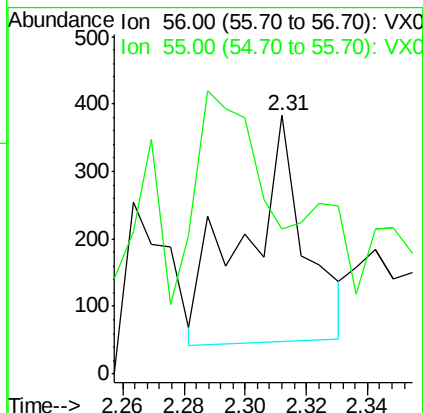
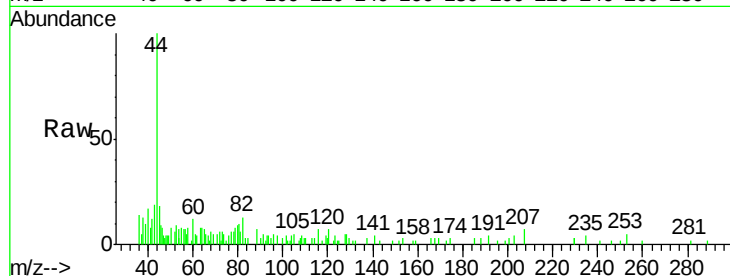
WC-05-011519

Tot Ion: 56 Resp: 458

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.4#



#16

Acetone

Concen: 18.170 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007119.D

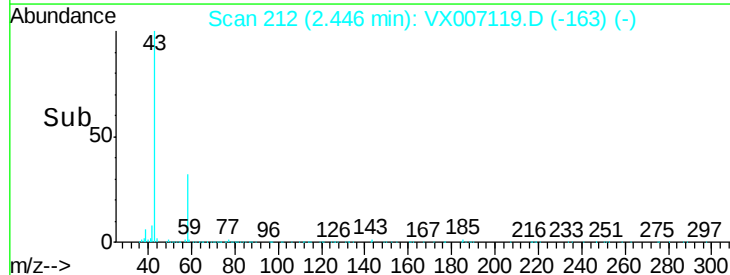
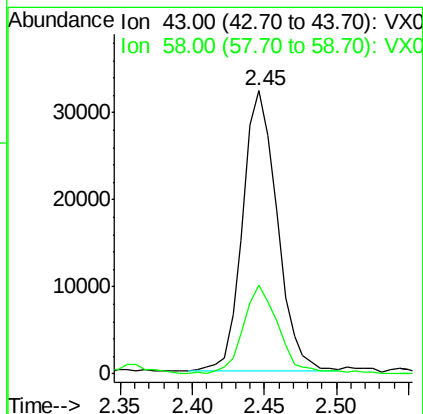
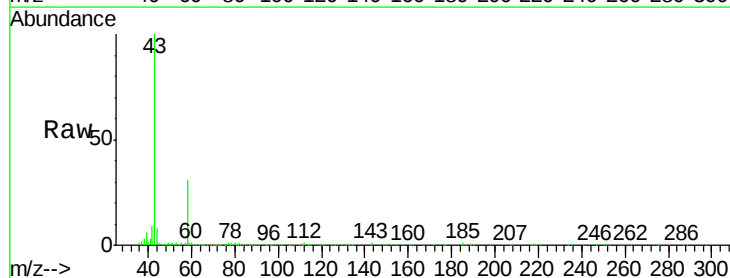
Acq: 18 Jan 2019 05:35

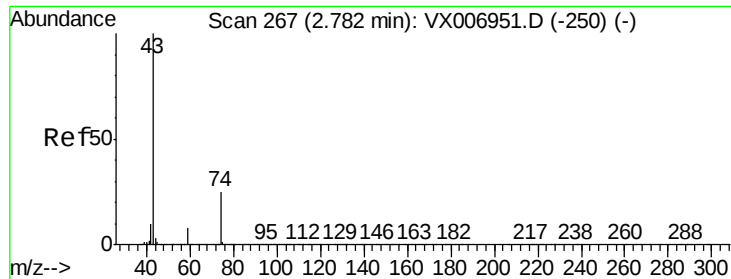
Tgt Ion: 43 Resp: 53779

Ion Ratio Lower Upper

43 100

58 31.3 25.0 37.6

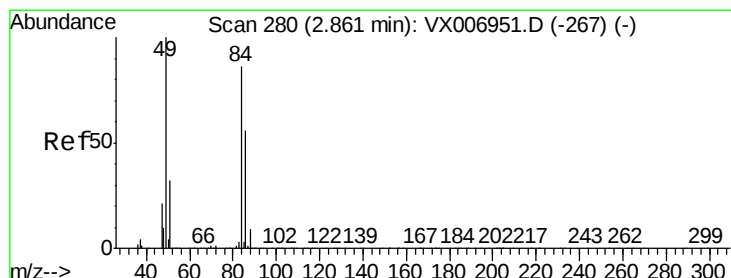
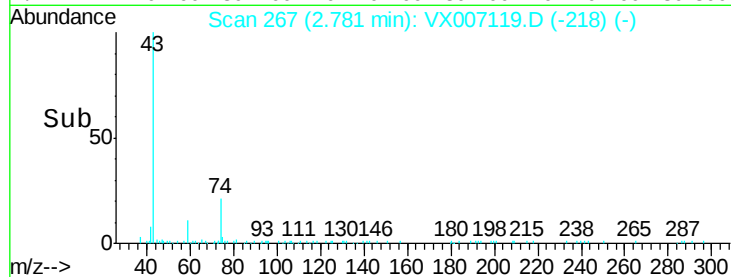
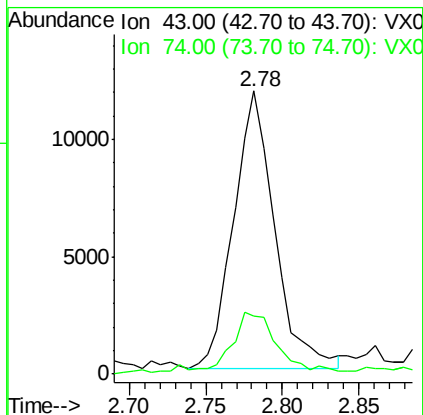
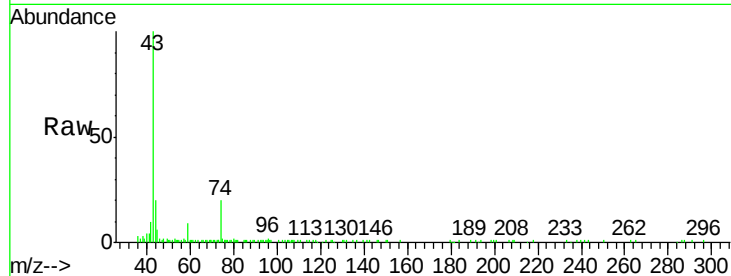




#18
Methyl Acetate
Concen: 2.555 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007119.D
Acq: 18 Jan 2019 05:35

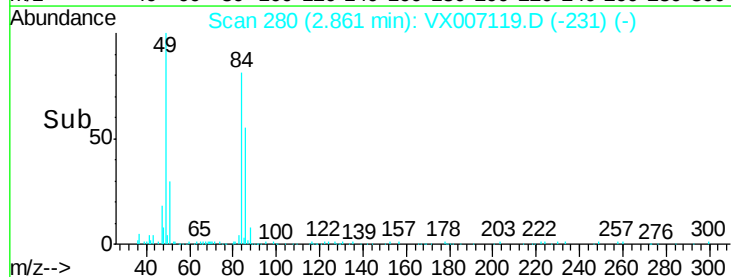
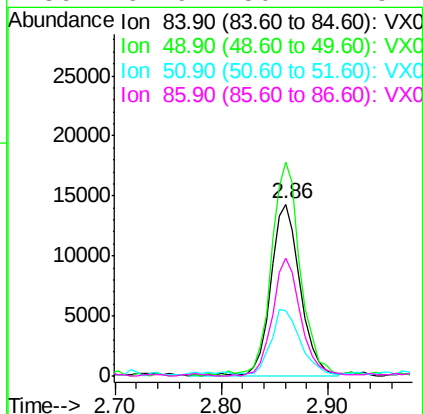
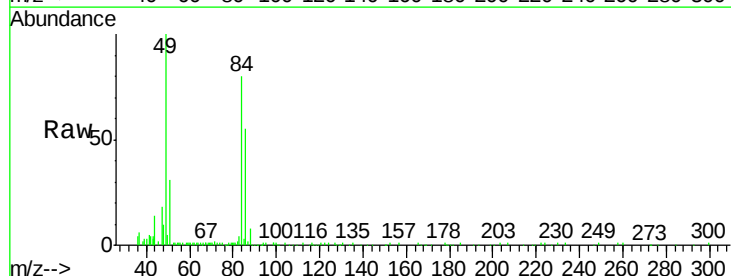
Instrument :
MSVOA_X
ClientSampled :
WC-05-011519

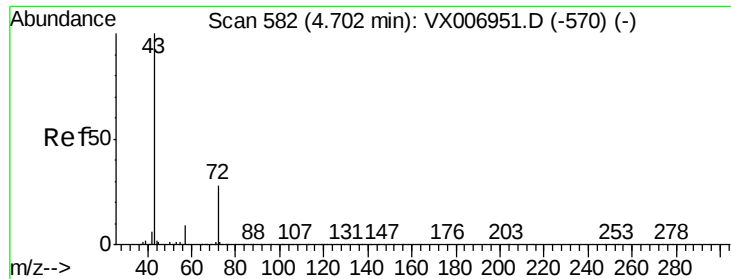
Tot Ion: 43 Resp: 21896
Ion Ratio Lower Upper
43 100
74 23.7 18.6 28.0



#20
Methylene Chloride
Concen: 4.384 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007119.D
Acq: 18 Jan 2019 05:35

Tgt Ion: 84 Resp: 27588
Ion Ratio Lower Upper
84 100
49 123.3 91.8 137.6
51 37.0 28.5 42.7
86 67.9 50.2 75.2

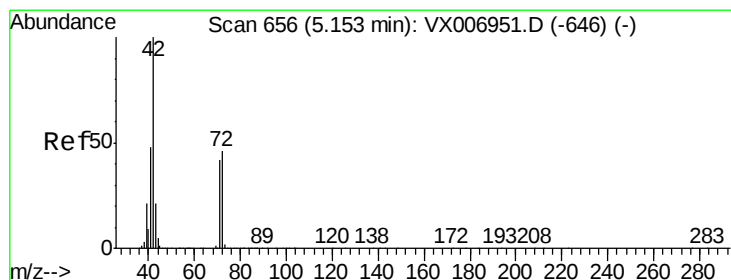
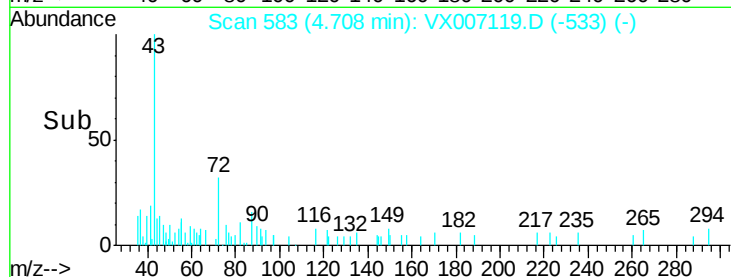
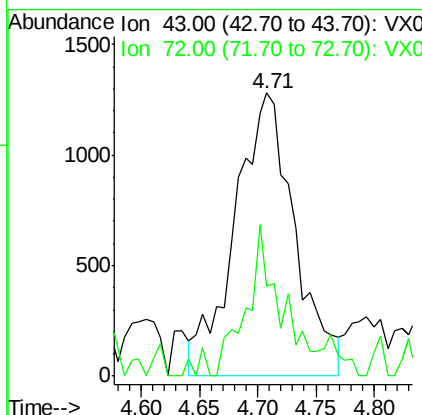
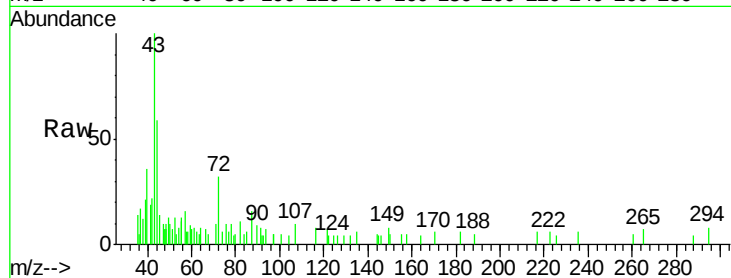




#25
2-Butanone
Concen: 1.078 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX007119.D
Acq: 18 Jan 2019 05:35

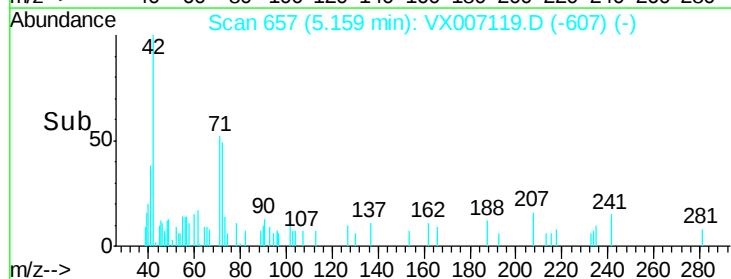
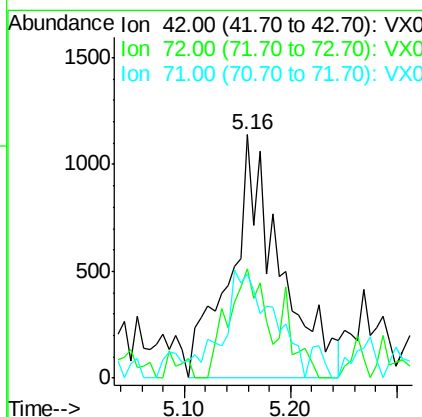
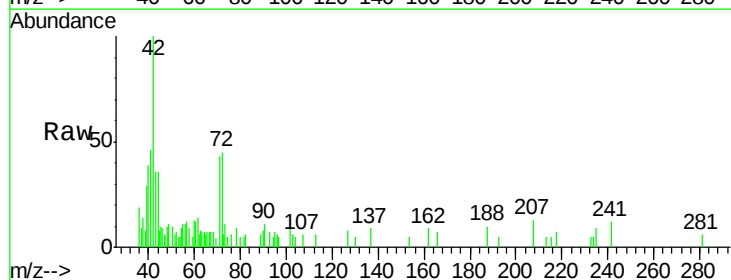
Instrument :
MSVOA_X
ClientSampleId :
WC-05-011519

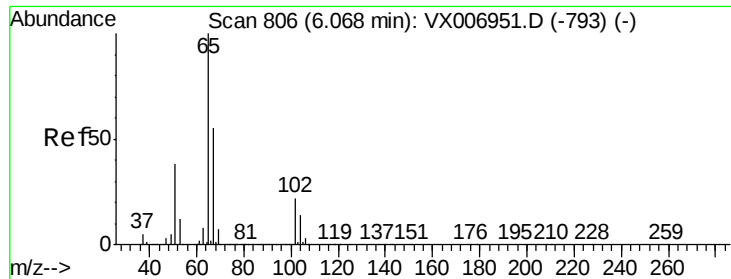
Tot Ion: 43 Resp: 4567
Ion Ratio Lower Upper
43 100
72 29.5 22.4 33.6



#29
Tetrahydrofuran
Concen: 1.348 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX007119.D
Acq: 18 Jan 2019 05:35

Tgt Ion: 42 Resp: 3711
Ion Ratio Lower Upper
42 100
72 32.2 38.9 58.3#
71 44.2 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 51.239 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007119.D

Acq: 18 Jan 2019 05:35

Instrument :

MSVOA_X

ClientSampleId :

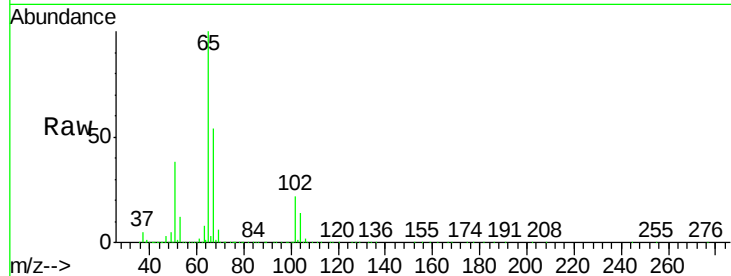
WC-05-011519

Tot Ion: 65 Resp: 306771

Ion Ratio Lower Upper

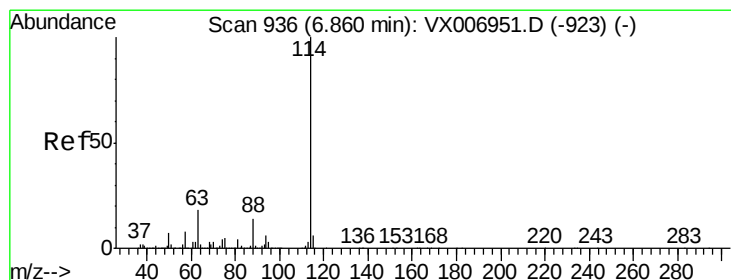
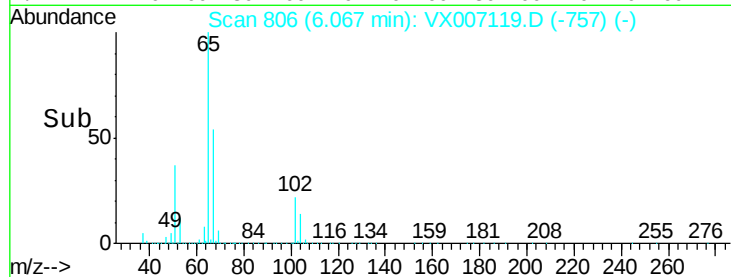
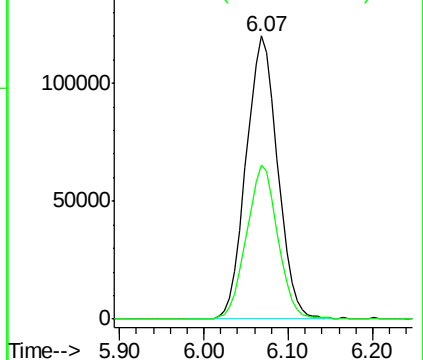
65 100

67 54.0 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: VX007119.D

Acq: 18 Jan 2019 05:35

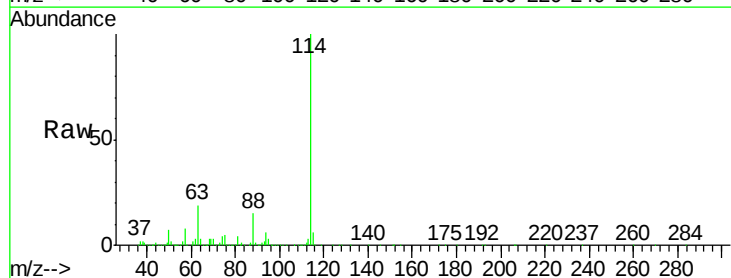
Tgt Ion: 114 Resp: 882683

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.8

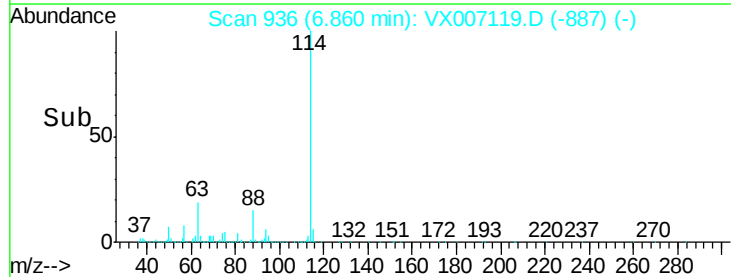
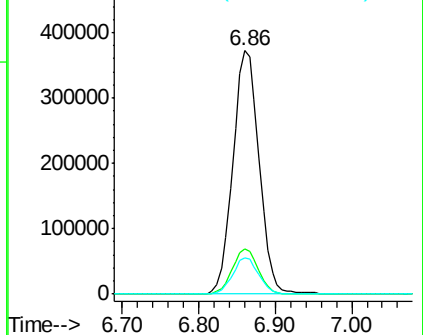
88 14.6 0.0 28.8

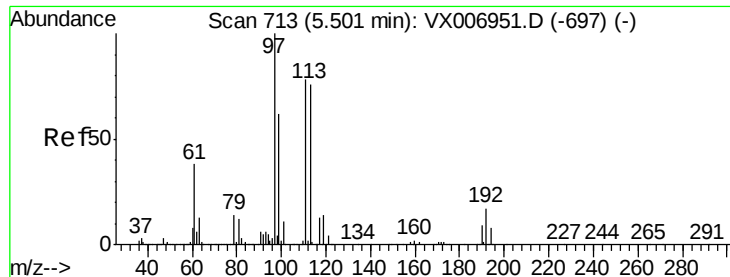


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.275 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007119.D

Acq: 18 Jan 2019 05:35

Instrument :

MSVOA_X

ClientSampleId :

WC-05-011519

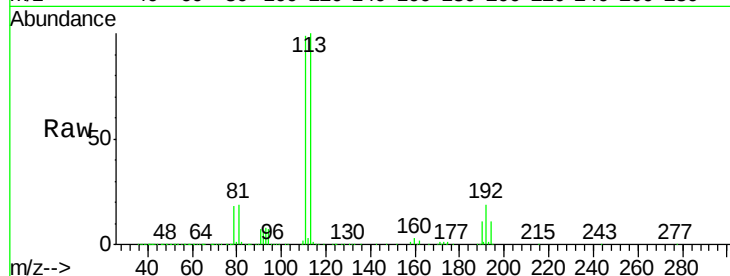
Tot Ion:113 Resp: 272881

Ion Ratio Lower Upper

113 100

111 101.7 81.6 122.4

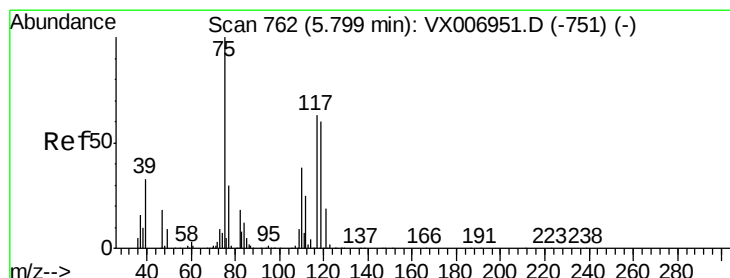
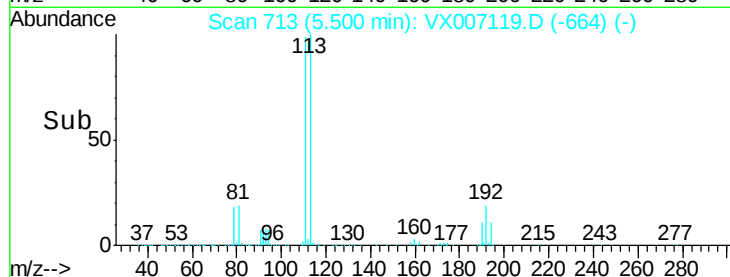
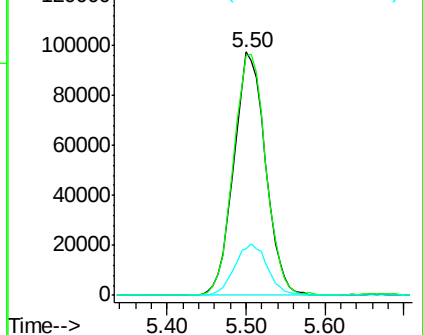
192 21.8 16.7 25.1



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: 4.696 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007119.D

Acq: 18 Jan 2019 05:35

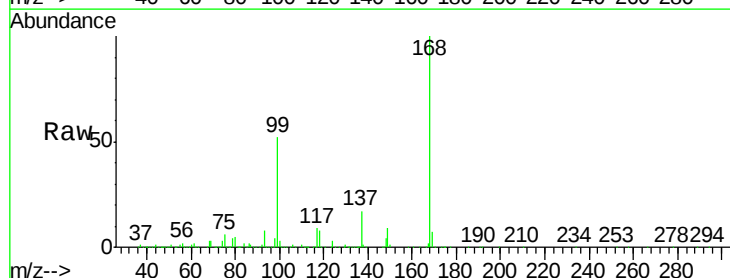
Tgt Ion: 75 Resp: 36039

Ion Ratio Lower Upper

75 100

110 10.3 20.2 60.5#

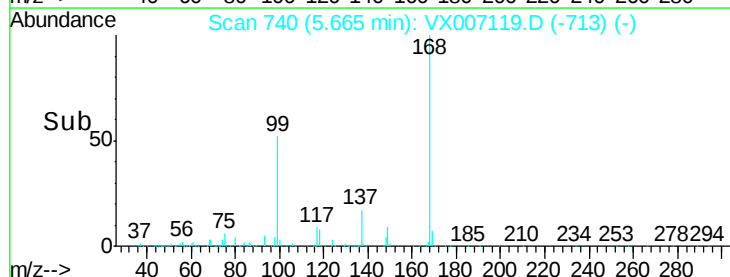
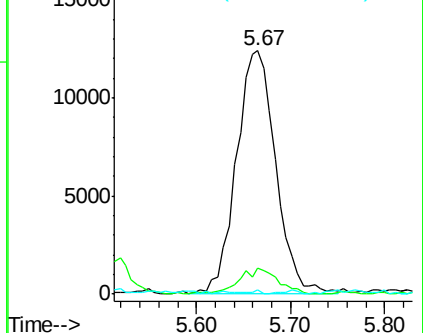
77 0.4 24.8 37.2#

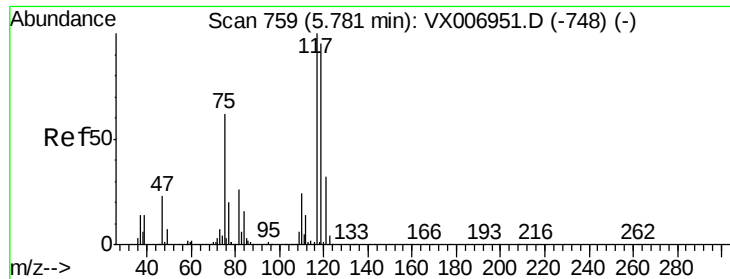


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

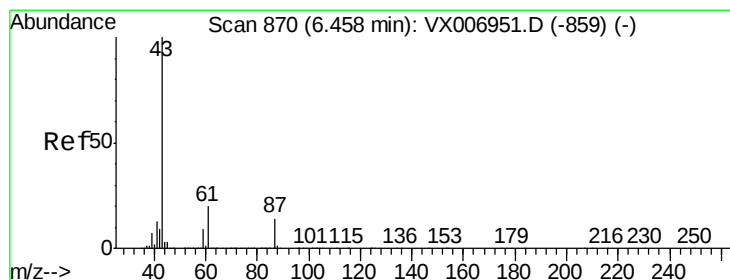
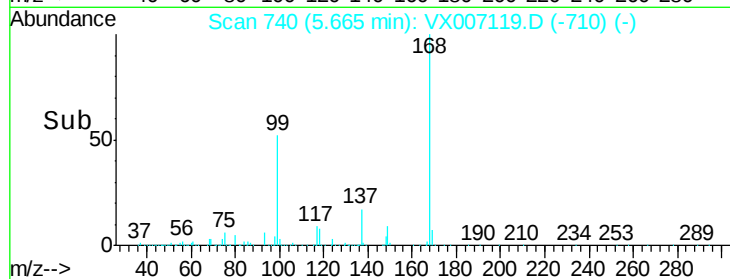
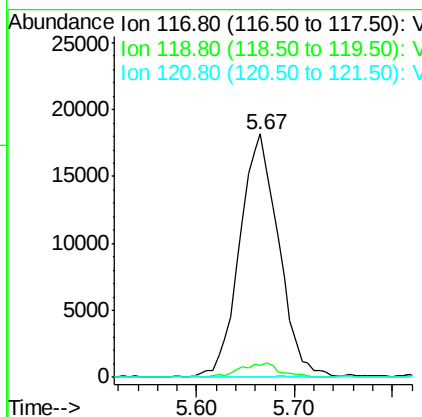
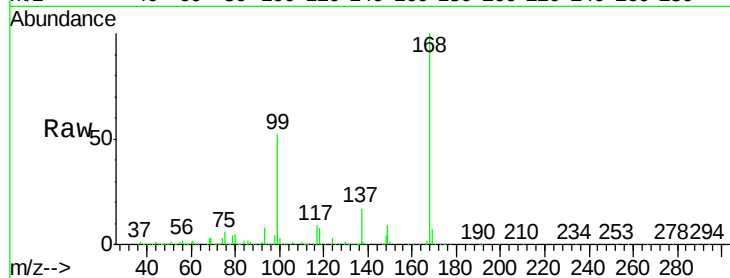




#38
Carbon Tetrachloride
Concen: 6.548 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX007119.D
Acq: 18 Jan 2019 05:35

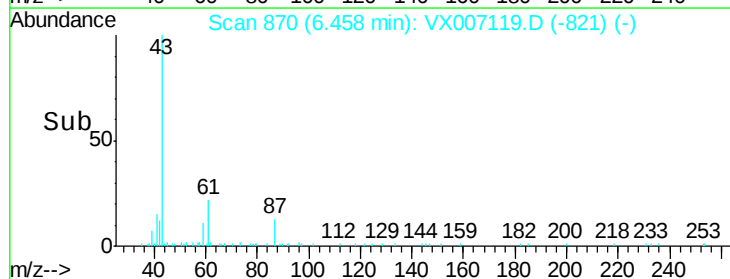
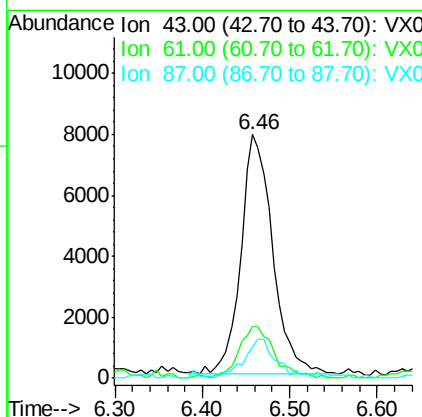
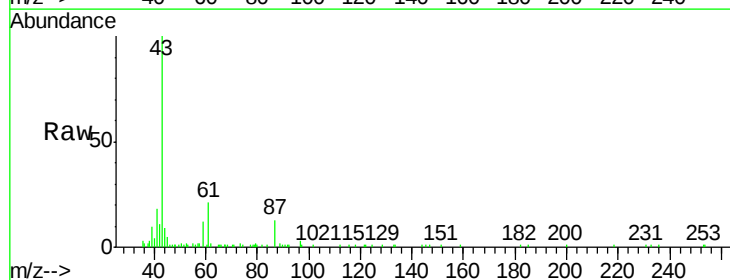
Instrument :
MSVOA_X
ClientSampleId :
WC-05-011519

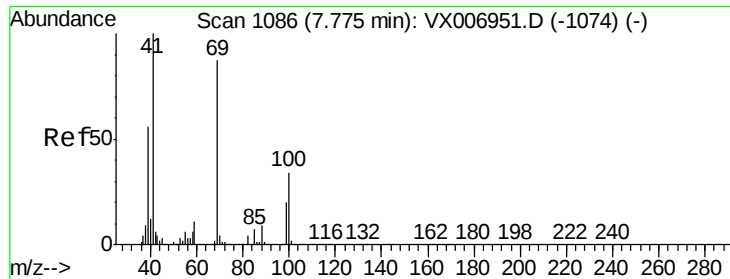
Tot Ion:117 Resp: 50559
Ion Ratio Lower Upper
117 100
119 4.8 79.4 119.2#
121 0.0 24.0 36.0#



#43
Isopropyl Acetate
Concen: 1.529 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.00 min
Lab File: VX007119.D
Acq: 18 Jan 2019 05:35

Tgt Ion: 43 Resp: 19842
Ion Ratio Lower Upper
43 100
61 23.7 16.8 25.2
87 16.5 12.4 18.6





#48

Methvl methacrylate

Concen: 1.221 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.09 min

Lab File: VX007119.D

Acq: 18 Jan 2019 05:35

Instrument :

MSVOA_X

ClientSampleId :

WC-05-011519

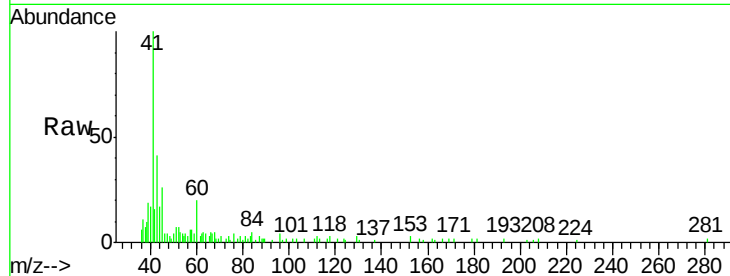
Tot Ion: 41 Resp: 8138

Ion Ratio Lower Upper

41 100

69 3.1 72.4 108.6#

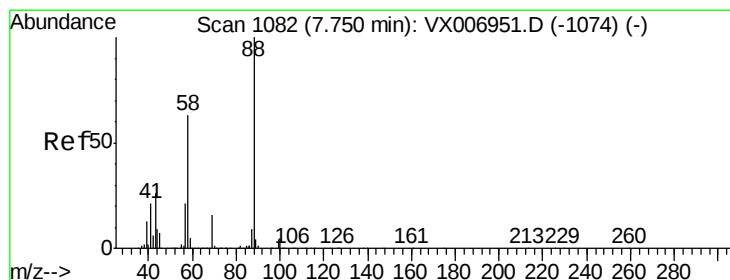
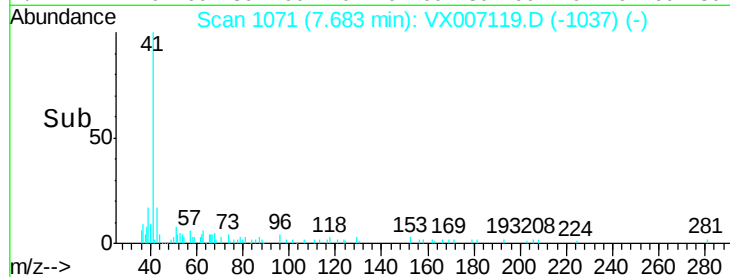
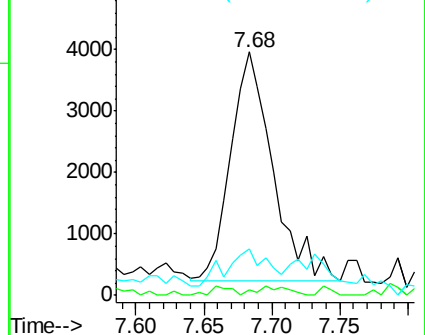
39 15.3 45.8 68.8#



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: 7.73 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VX007119.D

Acq: 18 Jan 2019 05:35

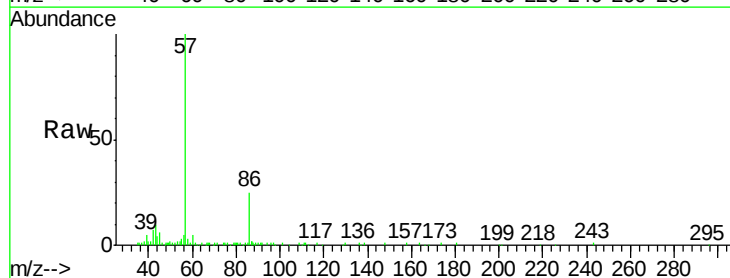
Tgt Ion: 88 Resp: 132

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

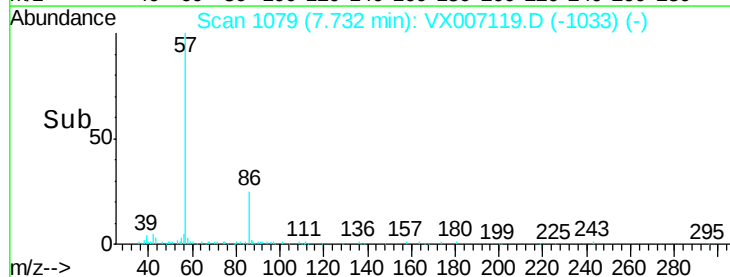
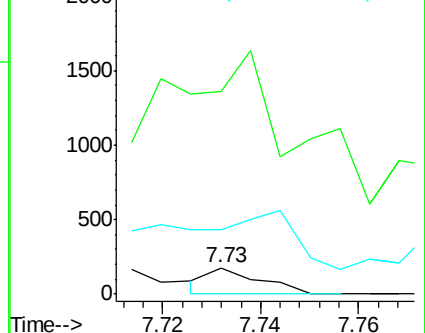
58 903.8 51.0 76.4#

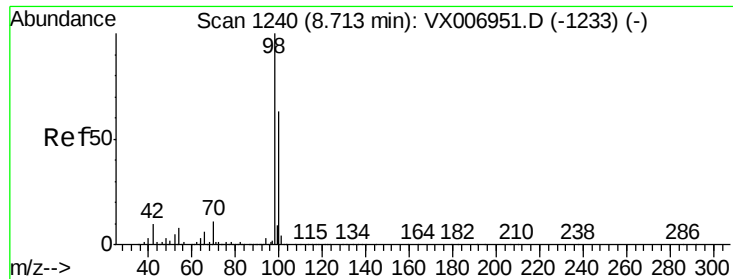


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.621 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007119.D

Acq: 18 Jan 2019 05:35

Instrument :

MSVOA_X

ClientSampleId :

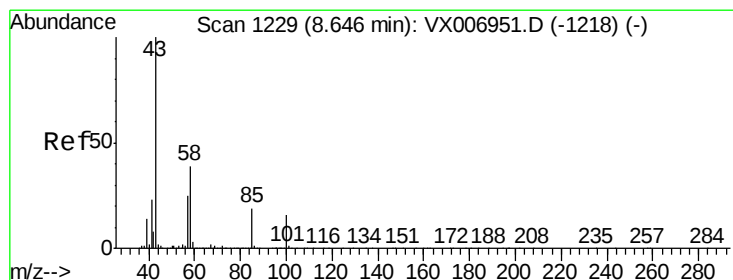
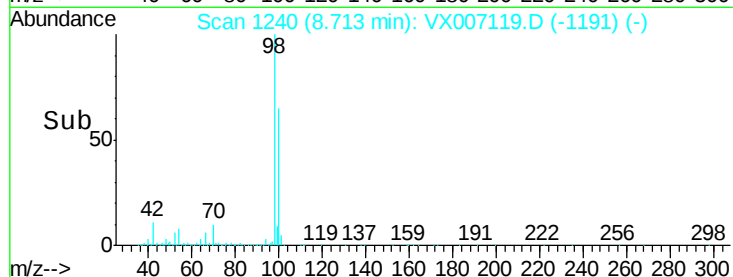
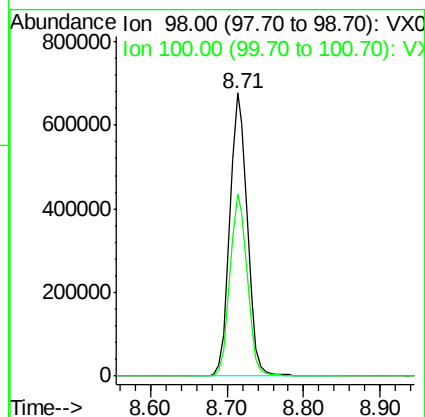
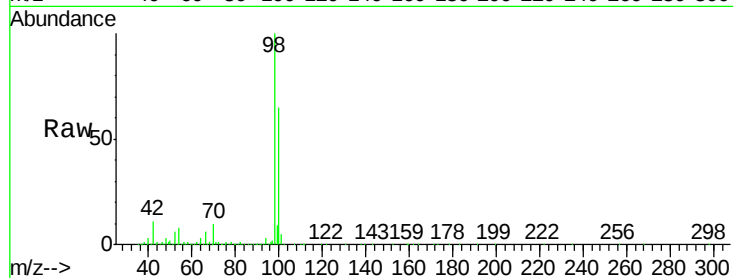
WC-05-011519

Tot Ion: 98 Resp: 1068067

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 14.014 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX007119.D

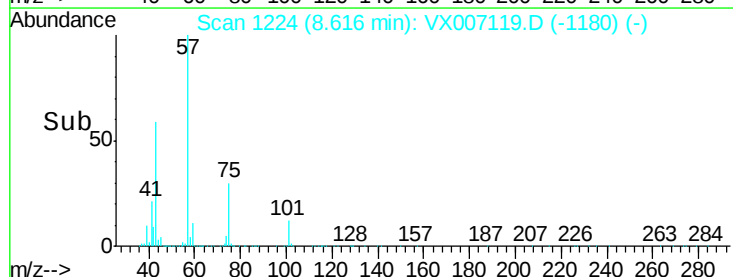
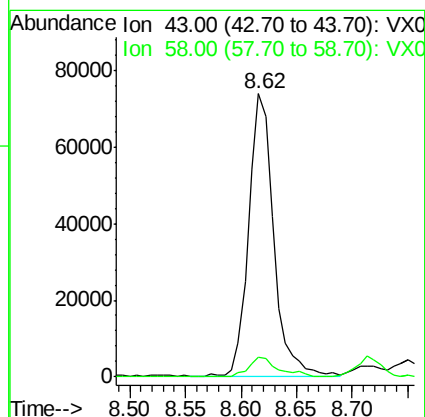
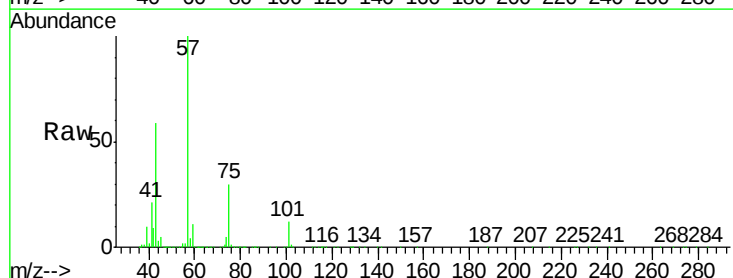
Acq: 18 Jan 2019 05:35

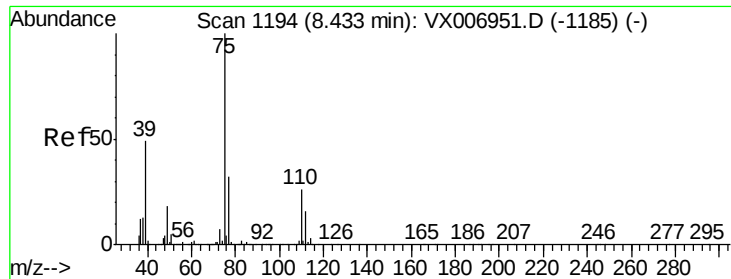
Tgt Ion: 43 Resp: 116879

Ion Ratio Lower Upper

43 100

58 8.1 31.8 47.6#





#54

cis-1,3-Dichloropropene

Concen: 6.675 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX007119.D

Acq: 18 Jan 2019 05:35

Instrument :

MSVOA_X

ClientSampleId :

WC-05-011519

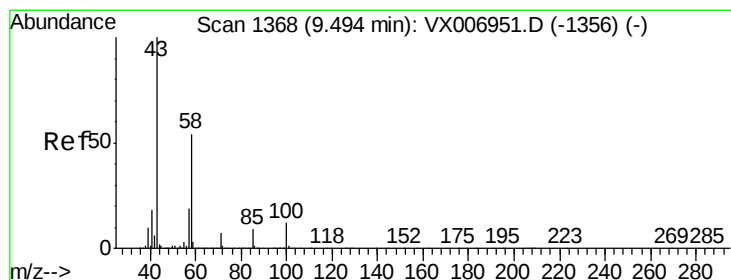
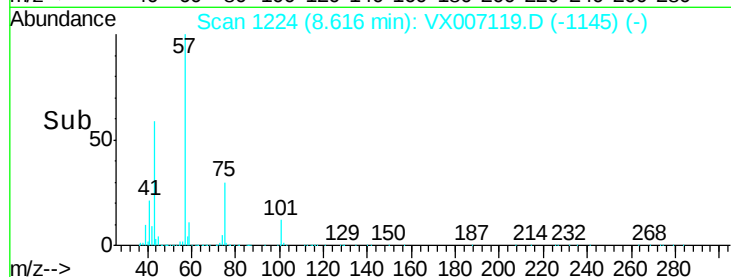
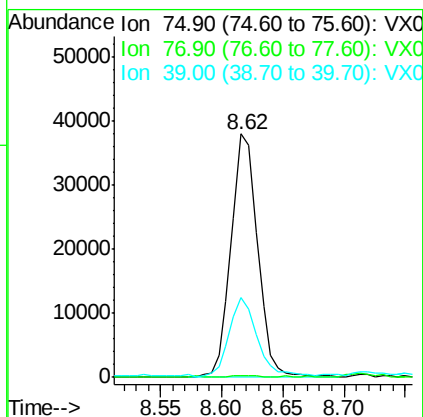
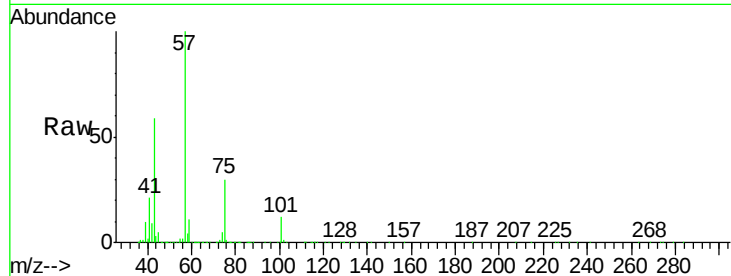
Tot Ion: 75 Resp: 57562

Ion Ratio Lower Upper

75 100

77 0.5 26.2 39.2#

39 31.6 36.7 55.1#



#59

2-Hexanone

Concen: 14.858 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX007119.D

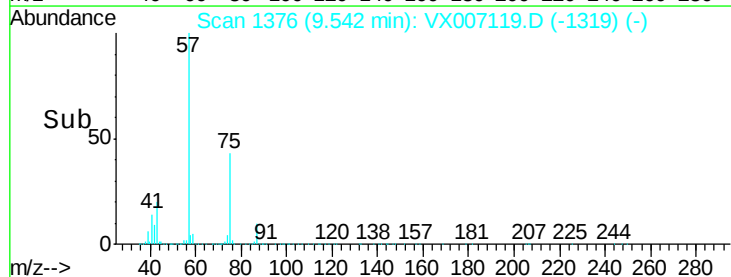
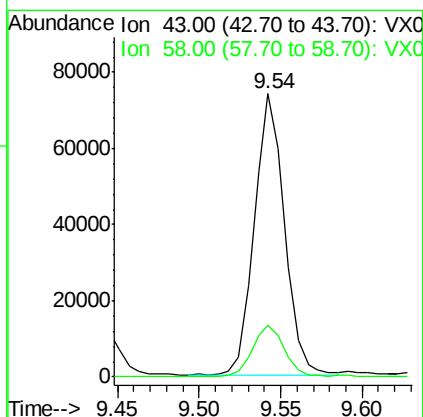
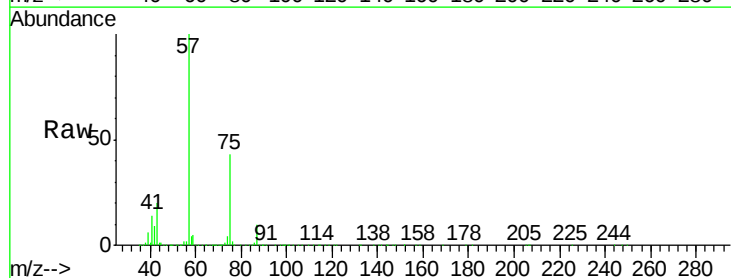
Acq: 18 Jan 2019 05:35

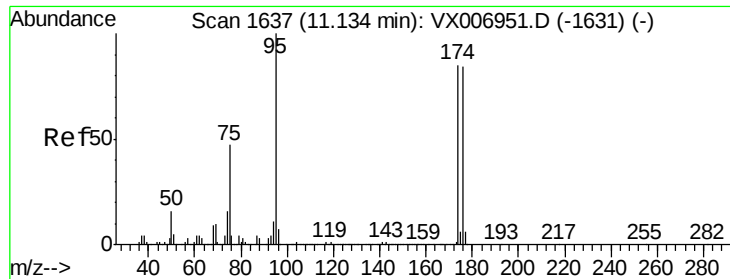
Tgt Ion: 43 Resp: 94434

Ion Ratio Lower Upper

43 100

58 19.2 27.7 83.1#





#62

4-Bromofluorobenzene

Concen: 53.647 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007119.D

Acq: 18 Jan 2019 05:35

Instrument :

MSVOA_X

ClientSampleId :

WC-05-011519

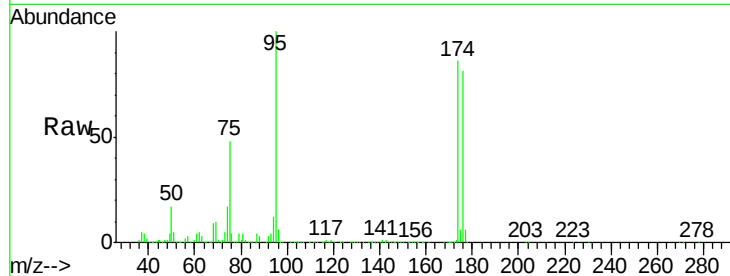
Tot Ion: 95 Resp: 386969

Ion Ratio Lower Upper

95 100

174 91.2 0.0 182.2

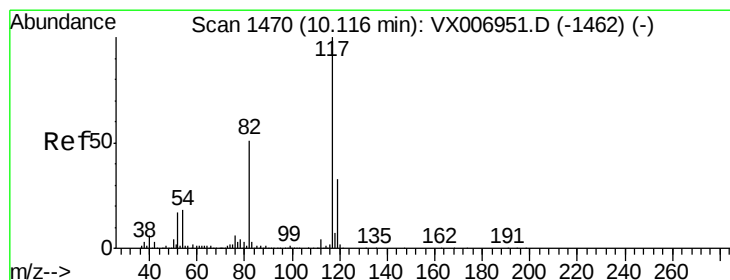
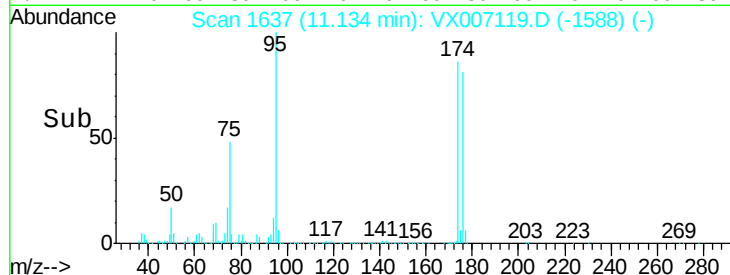
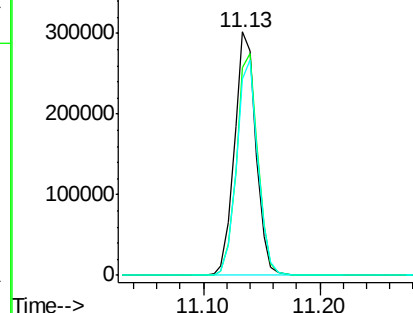
176 88.0 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX007119.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007119.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007119.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX007119.D

Acq: 18 Jan 2019 05:35

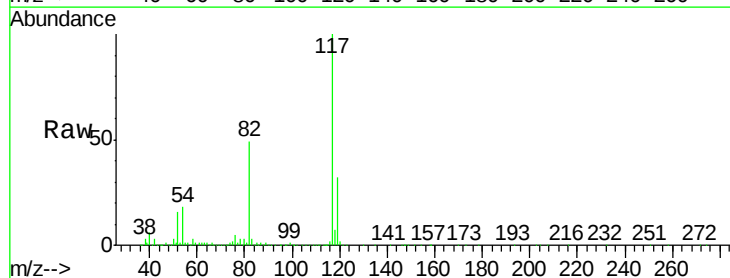
Tgt Ion: 117 Resp: 842481

Ion Ratio Lower Upper

117 100

82 49.0 41.0 61.6

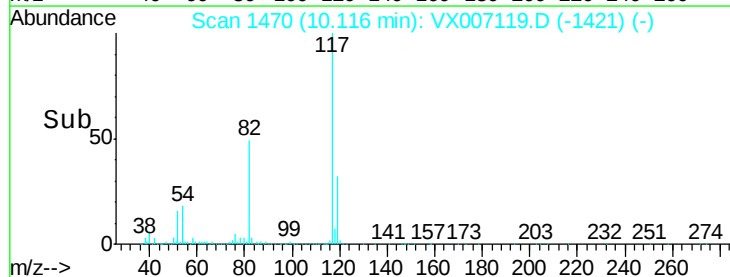
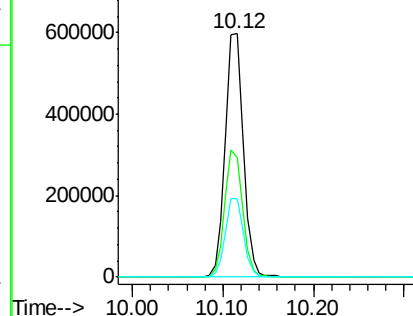
119 32.2 25.4 38.0

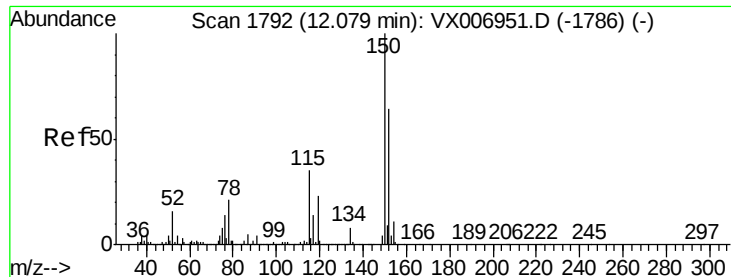


Abundance Ion 116.90 (116.60 to 117.60): VX007119.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX007119.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX007119.D (-1421) (-)



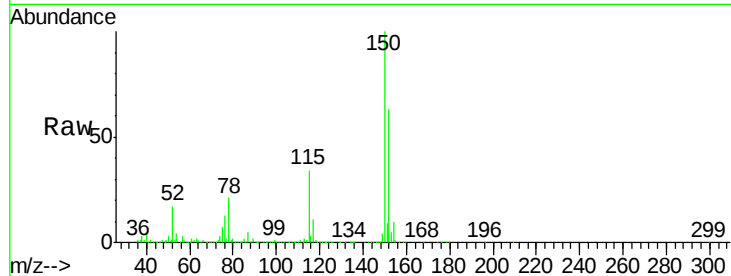


#72

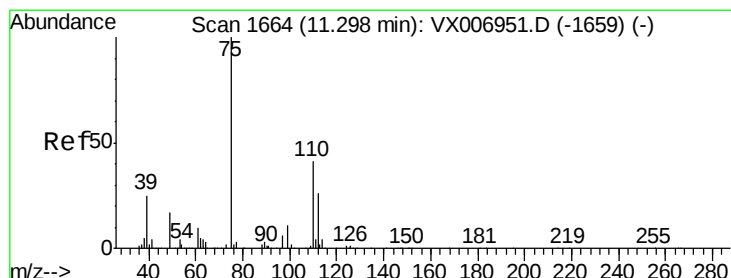
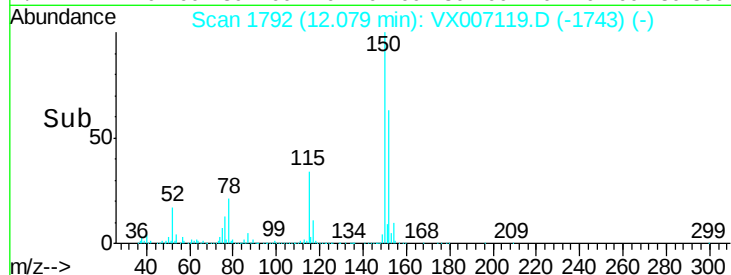
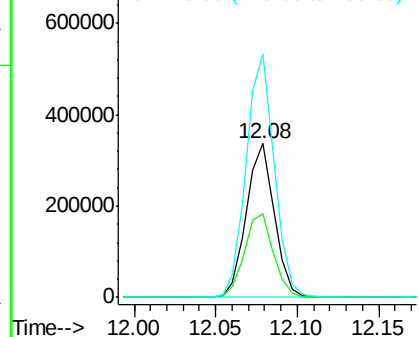
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007119.D
Acq: 18 Jan 2019 05:35

Instrument :
MSVOA_X
ClientSampleId :
WC-05-011519

Tot Ion:152 Resp: 406090
Ion Ratio Lower Upper
152 100
115 55.7 39.1 117.2
150 158.3 0.0 344.8



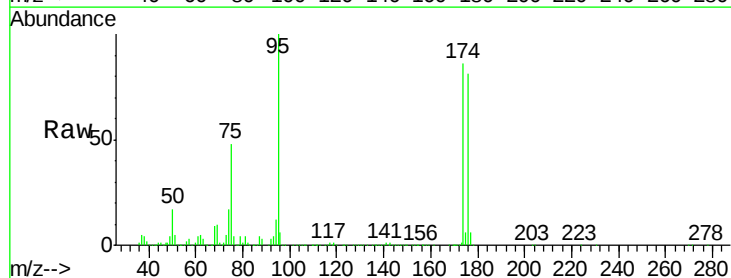
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



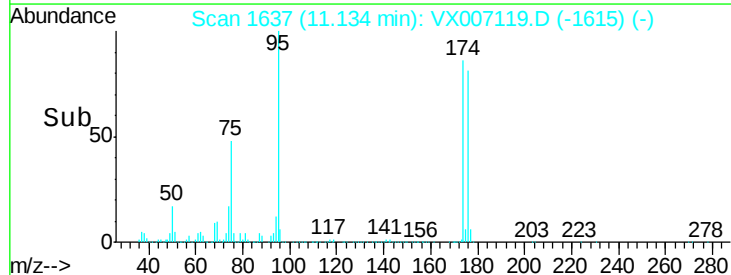
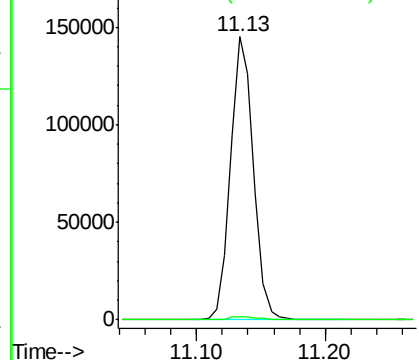
#76

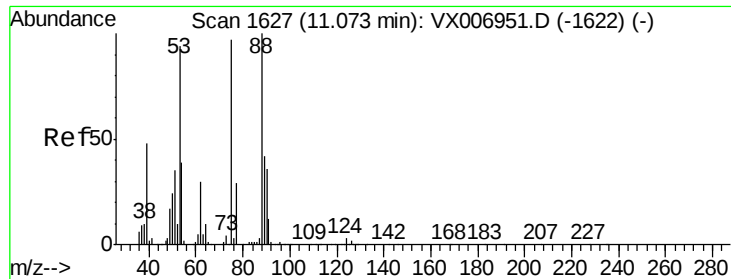
1,2,3-Trichloropropane
Concen: 22.113 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007119.D
Acq: 18 Jan 2019 05:35

Tgt Ion: 75 Resp: 181970
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: 65.467 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007119.D

Acq: 18 Jan 2019 05:35

Instrument :

MSVOA_X

ClientSampleId :

WC-05-011519

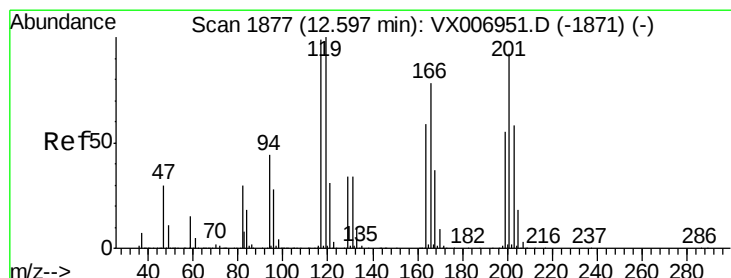
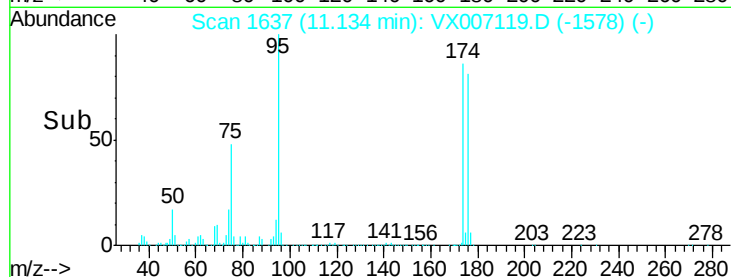
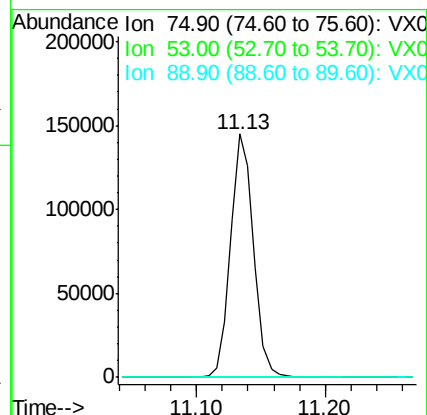
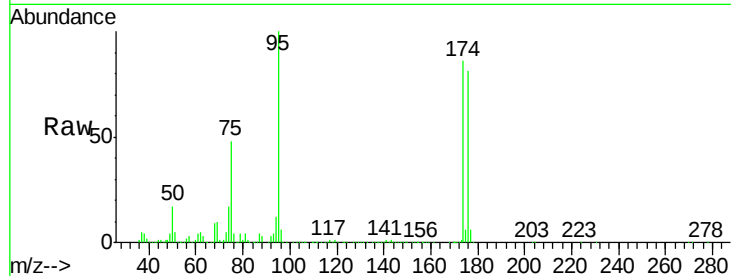
Tot Ion: 75 Resp: 181970

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

89 0.0 38.0 57.0#



#90

Hexachloroethane

Concen: 2.943 ug/l

RT: 12.58 min Scan# 1874

Delta R.T. -0.02 min

Lab File: VX007119.D

Acq: 18 Jan 2019 05:35

Tgt Ion: 117 Resp: 151

Ion Ratio Lower Upper

117 100

201 22.5 42.9 128.7#

