

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011819\
 Data File : VW008355.D
 Acq On : 18 Jan 2019 14:48
 Operator : SY/VA
 Sample : K1157-10
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-05-011519

Quant Time: Jan 19 01:44:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	76156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	145100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	140505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59358	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	53926	68.07	ug/l	0.00
Spiked Amount			Recovery	=	136.14%	
35) Dibromofluoromethane	7.88	113	50576	54.60	ug/l	0.00
Spiked Amount			Recovery	=	109.20%	
50) Toluene-d8	10.32	98	199418	54.80	ug/l	0.00
Spiked Amount			Recovery	=	109.60%	
62) 4-Bromofluorobenzene	12.62	95	63303	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	

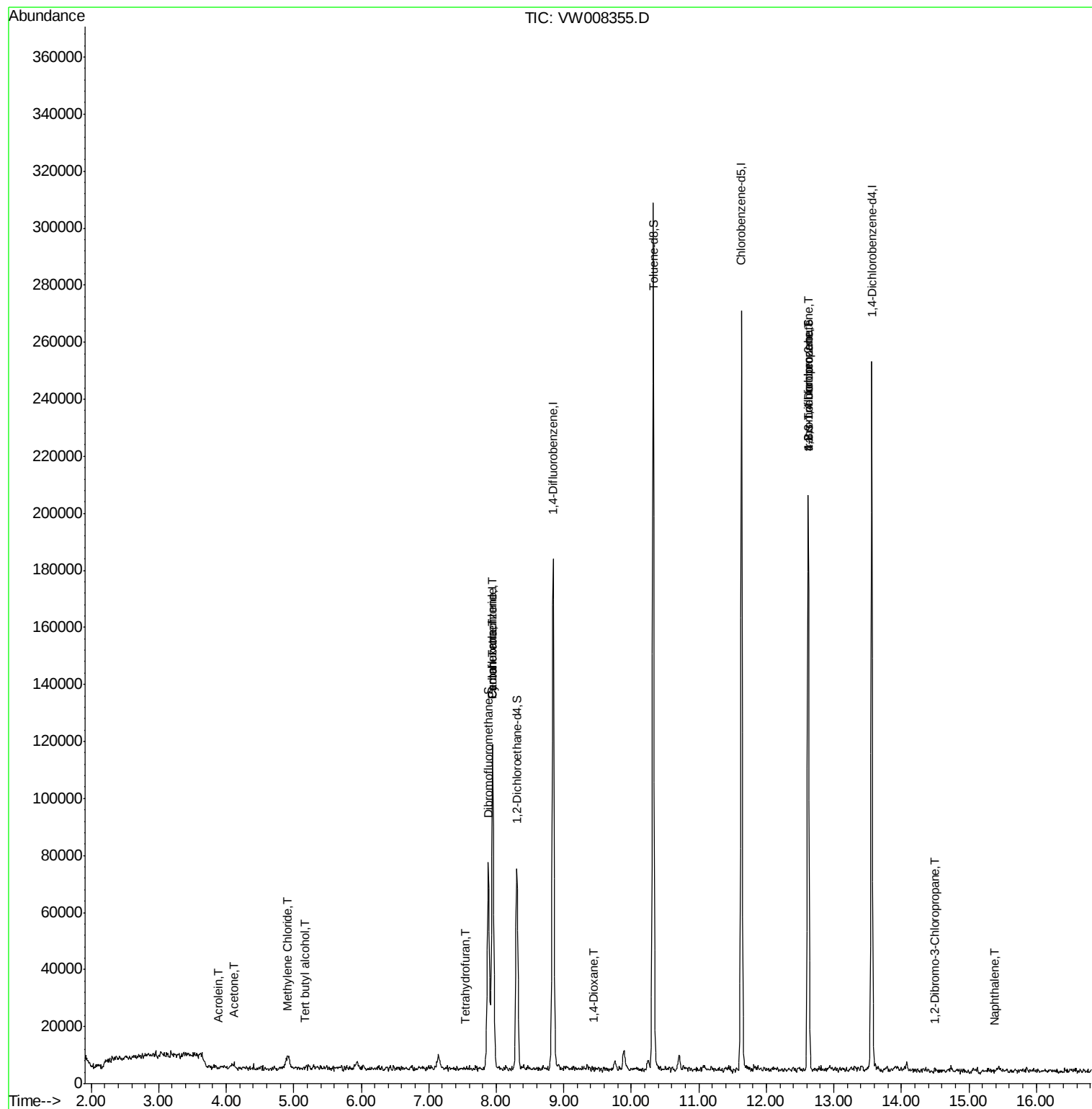
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	305	5.718	ug/l #	57
13) Acrolein	3.89	56	406	14.892	ug/l #	17
16) Acetone	4.11	43	1299	7.061	ug/l #	44
20) Methylene Chloride	4.92	84	3911	1.112	ug/l #	83
29) Tetrahydrofuran	7.54	42	405	2.757	ug/l #	59
31) Cyclohexane	7.95	56	2366	1.599	ug/l #	1
38) Carbon Tetrachloride	7.94	117	8209	5.695	ug/l #	17
49) 1,4-Dioxane	9.43	88	69	8.006	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	32403	59.945	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	32403	143.054	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.50	75	169	1.405	ug/l #	1
95) Naphthalene	15.38	128	146	2.390	ug/l #	69

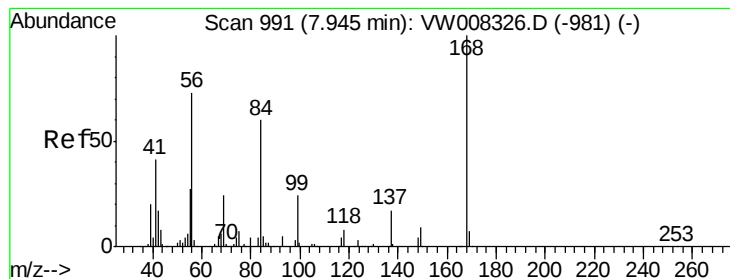
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008355.D

Acq: 18 Jan 2019 14:48

Instrument :

MSVOA_W

ClientSampleId :

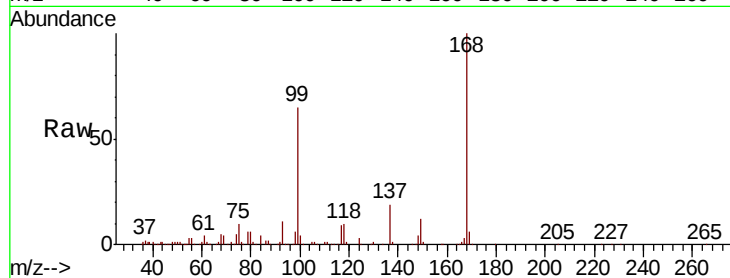
WC-05-011519

Tgt Ion:168 Resp: 76156

Ion Ratio Lower Upper

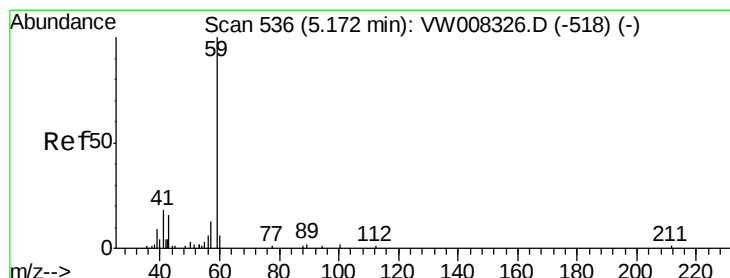
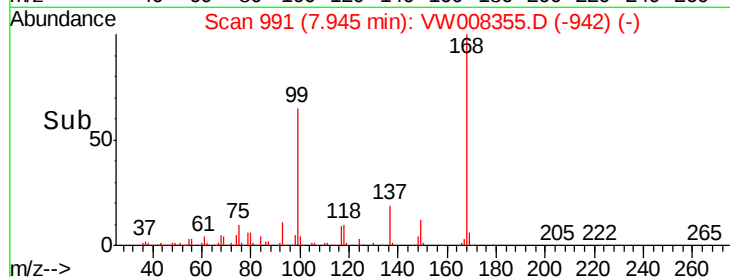
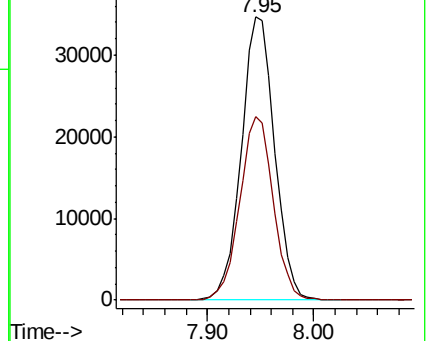
168 100

99 64.6 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.718 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.00 min

Lab File: VW008355.D

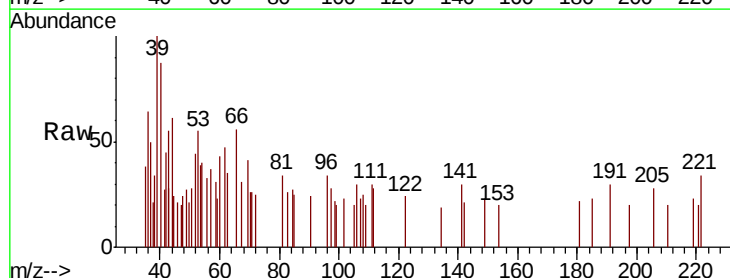
Acq: 18 Jan 2019 14:48

Tgt Ion: 59 Resp: 305

Ion Ratio Lower Upper

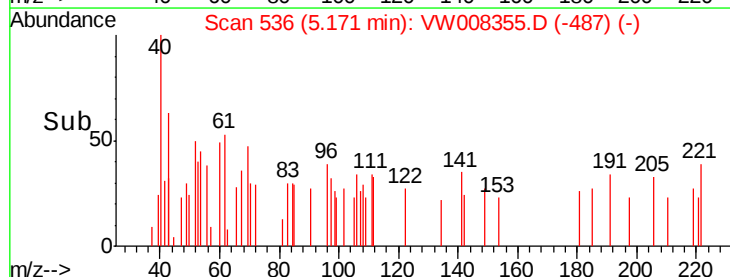
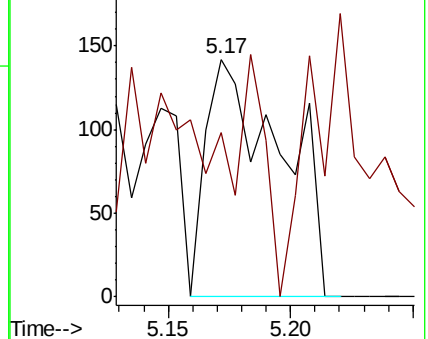
59 100

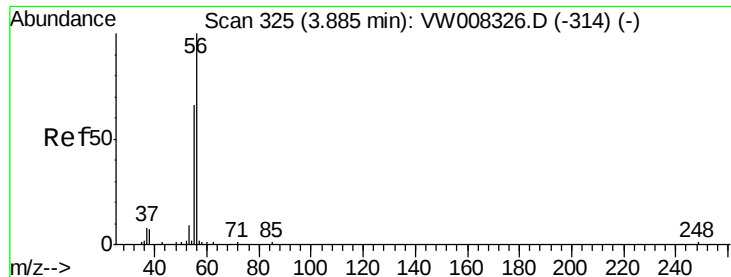
57 28.5 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 14.892 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008355.D

Acq: 18 Jan 2019 14:48

Instrument :

MSVOA_W

ClientSampleId :

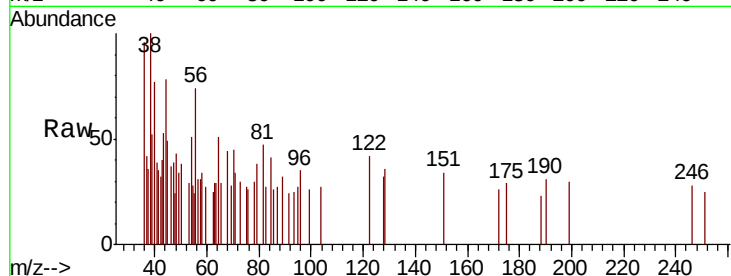
WC-05-011519

Tgt Ion: 56 Resp: 406

Ion Ratio Lower Upper

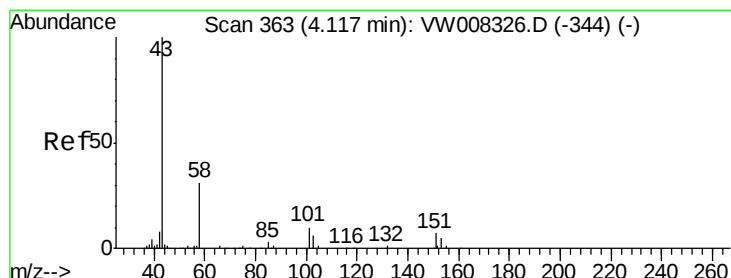
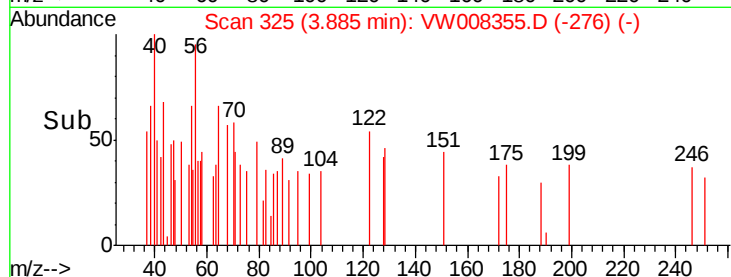
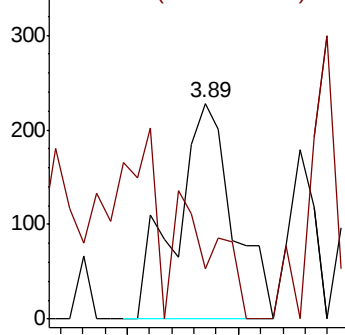
56 100

55 0.0 52.9 79.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 7.061 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW008355.D

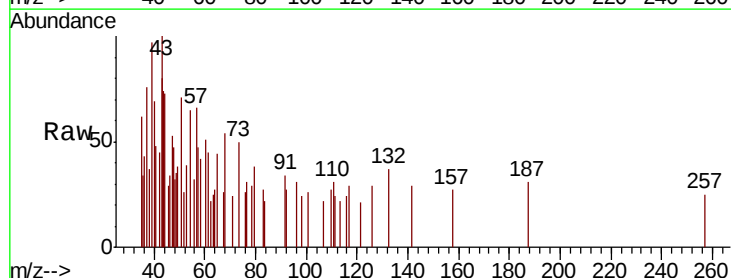
Acq: 18 Jan 2019 14:48

Tgt Ion: 43 Resp: 1299

Ion Ratio Lower Upper

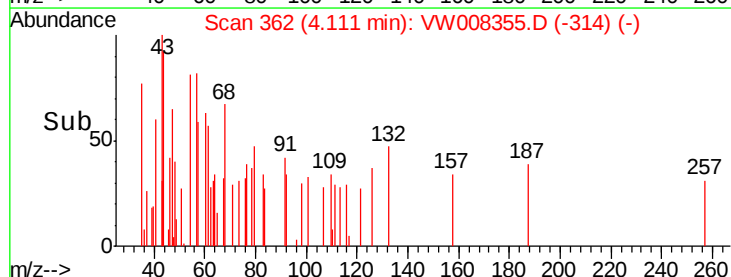
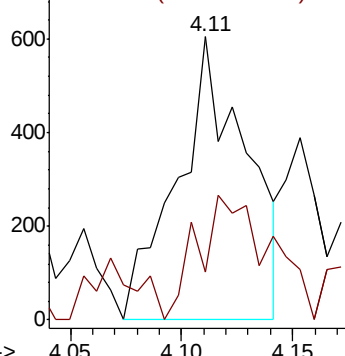
43 100

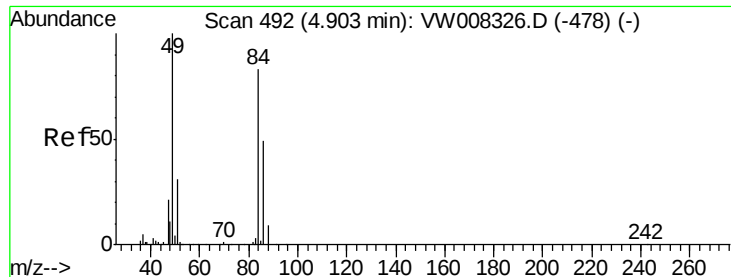
58 0.0 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

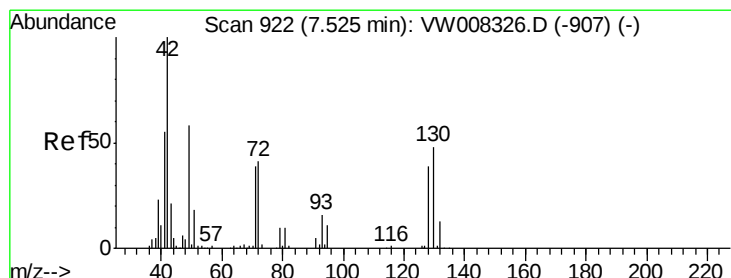
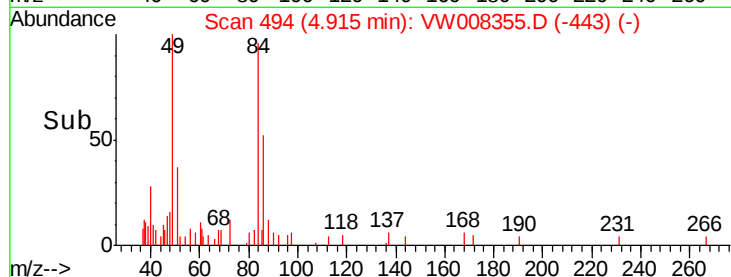
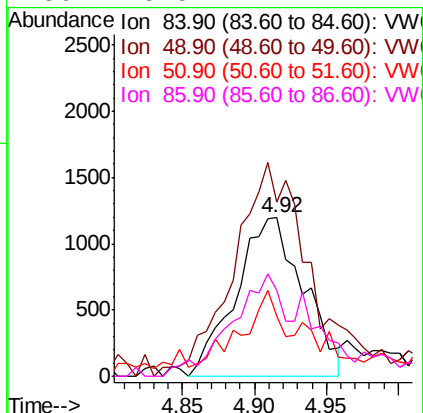
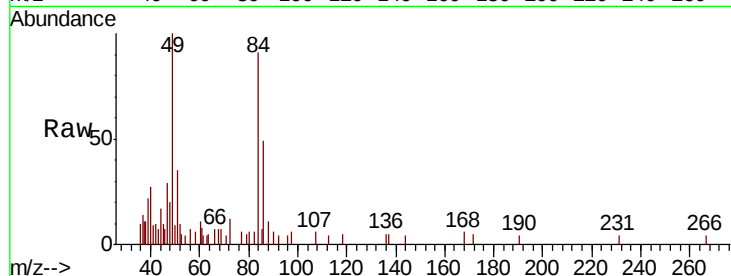




#20
Methylene Chloride
Concen: 1.112 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008355.D
Acq: 18 Jan 2019 14:48

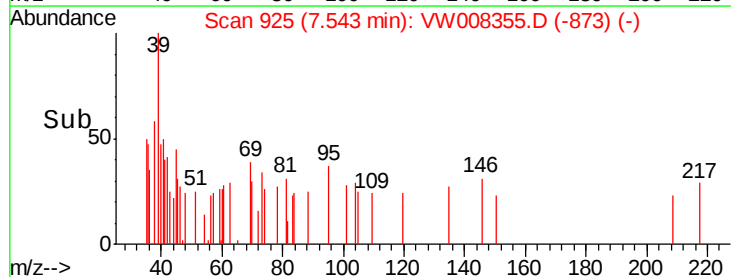
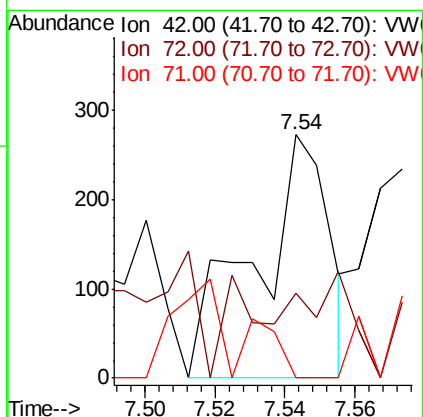
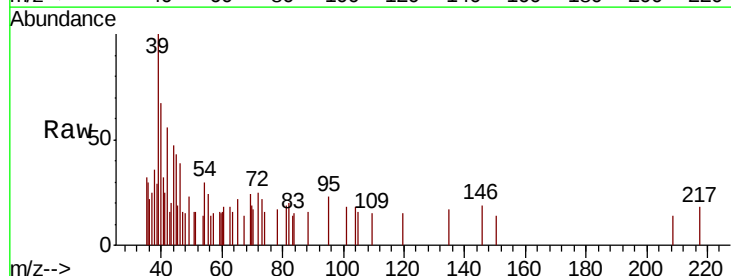
Instrument :
MSVOA_W
ClientSampled :
WC-05-011519

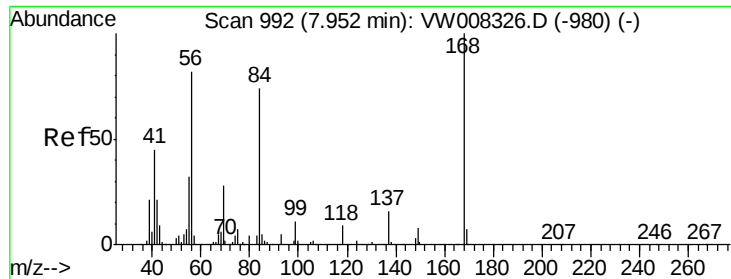
Tgt Ion:	84	Resp:	3911
Ion	Ratio	Lower	Upper
84	100		
49	99.9	95.9	143.9
51	32.4	29.3	43.9
86	43.5	47.4	71.2#



#29
Tetrahydrofuran
Concen: 2.757 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: VW008355.D
Acq: 18 Jan 2019 14:48

Tgt Ion:	42	Resp:	405
Ion	Ratio	Lower	Upper
42	100		
72	30.4	34.0	51.0#
71	0.0	32.0	48.0#

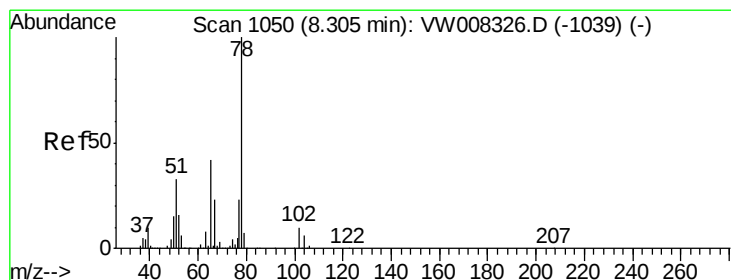
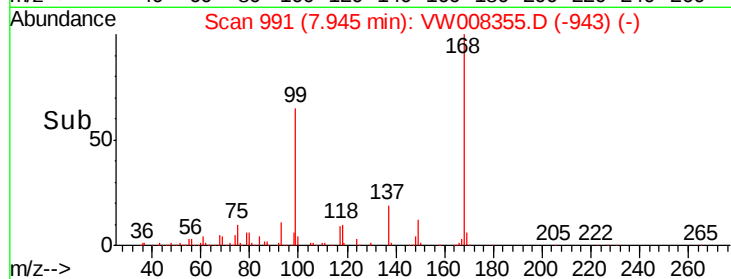
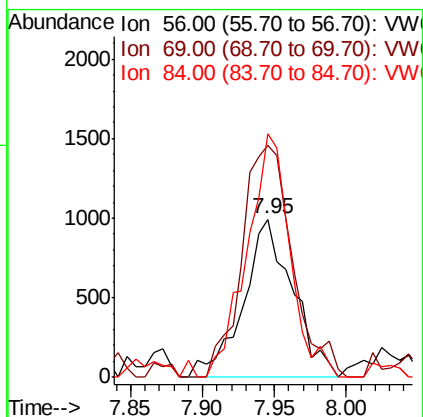
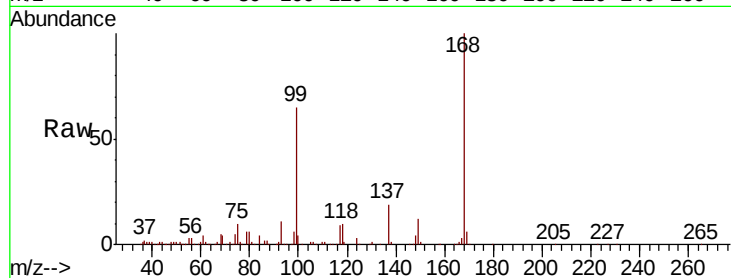




#31
Cyclohexane
Concen: 1.599 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008355.D
Acq: 18 Jan 2019 14:48

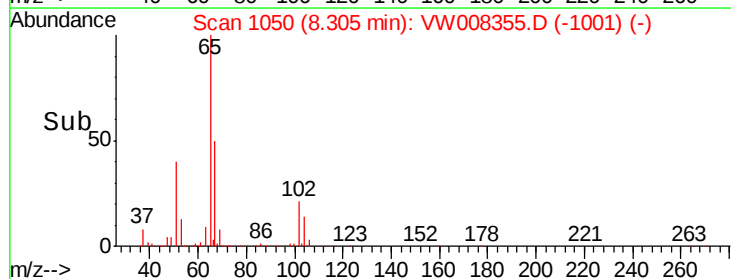
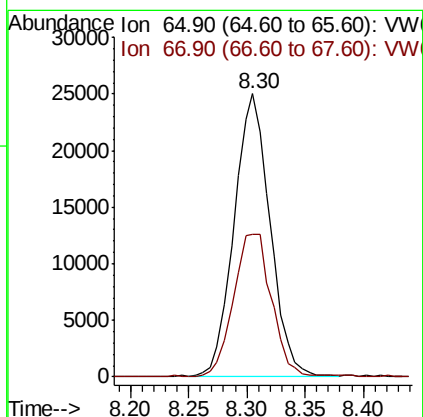
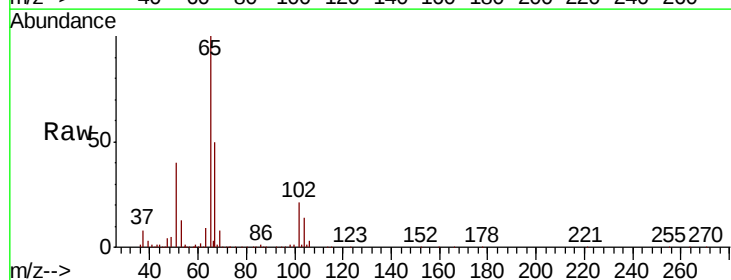
Instrument :
MSVOA_W
ClientSampleId :
WC-05-011519

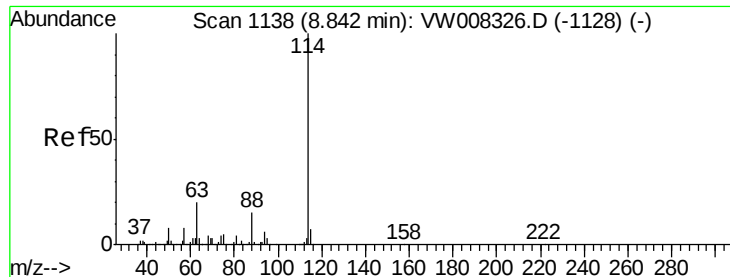
Tgt Ion: 56 Resp: 2366
Ion Ratio Lower Upper
56 100
69 146.7 27.0 40.6#
84 154.1 72.5 108.7#



#33
1,2-Dichloroethane-d4
Concen: 68.072 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008355.D
Acq: 18 Jan 2019 14:48

Tgt Ion: 65 Resp: 53926
Ion Ratio Lower Upper
65 100
67 53.9 0.0 106.2

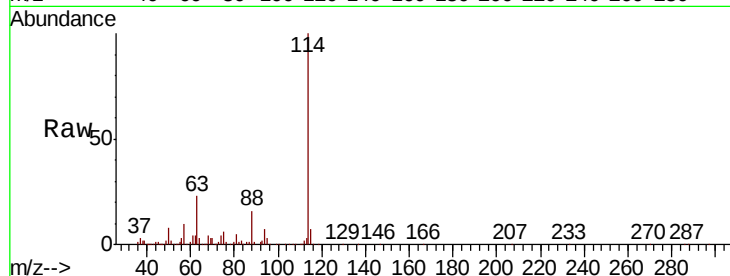




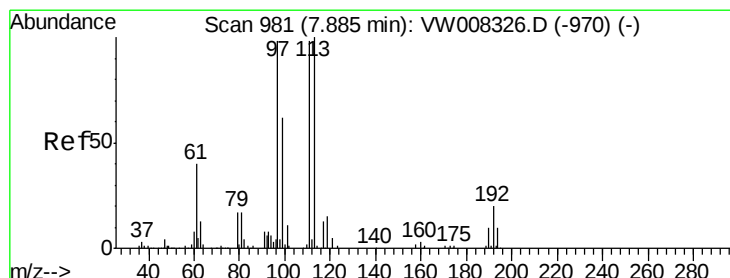
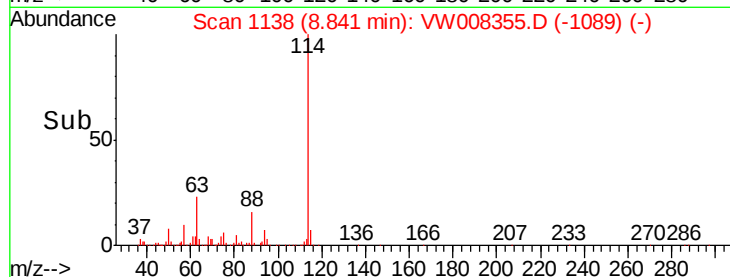
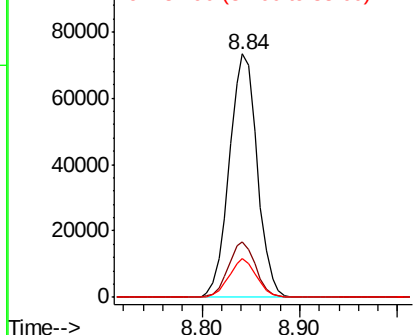
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008355.D
 Acq: 18 Jan 2019 14:48

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-05-011519

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	40.8
88	16.0	0.0	30.4

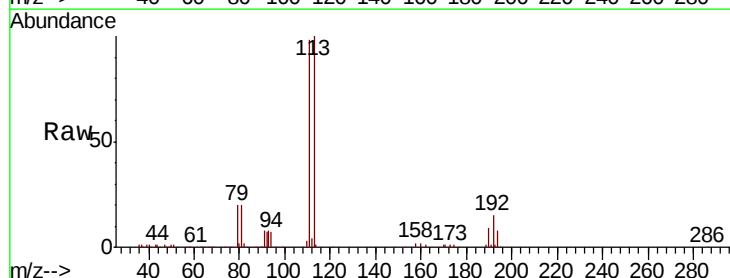


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

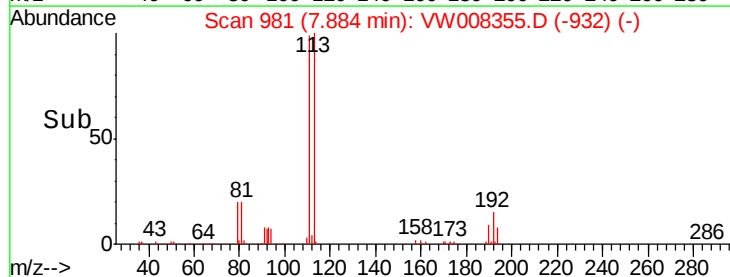
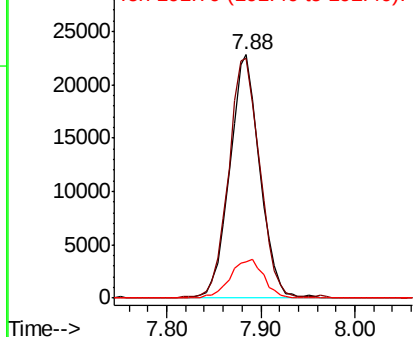


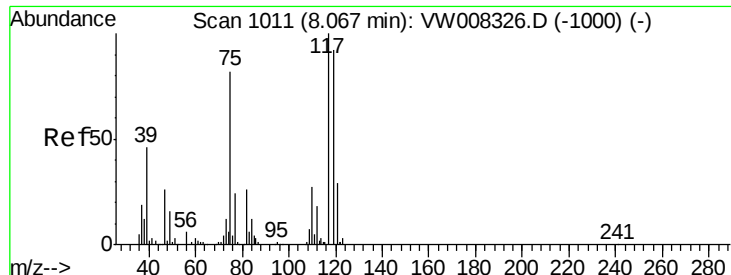
#35
 Dibromofluoromethane
 Concen: 54.605 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008355.D
 Acq: 18 Jan 2019 14:48

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.8
192	17.7	16.3	24.5



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





#38

Carbon Tetrachloride

Concen: 5.695 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW008355.D

Acq: 18 Jan 2019 14:48

Instrument :

MSVOA_W

ClientSampleId :

WC-05-011519

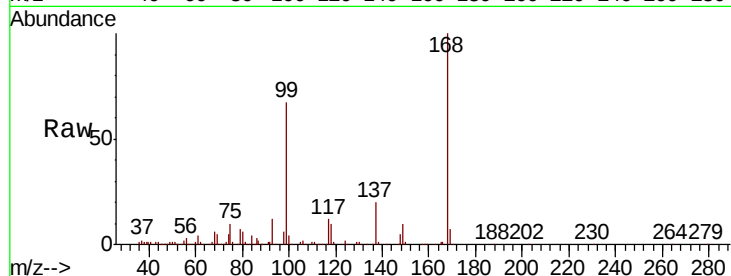
Tgt Ion:117 Resp: 8209

Ion Ratio Lower Upper

117 100

119 4.5 73.8 110.6#

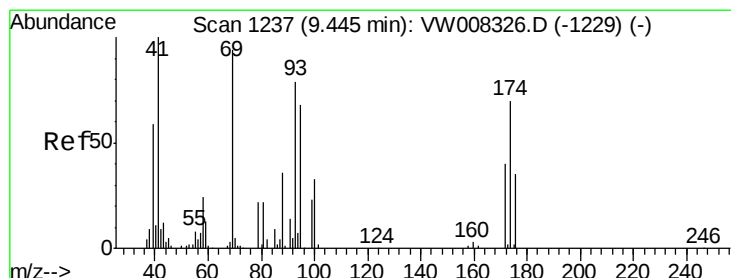
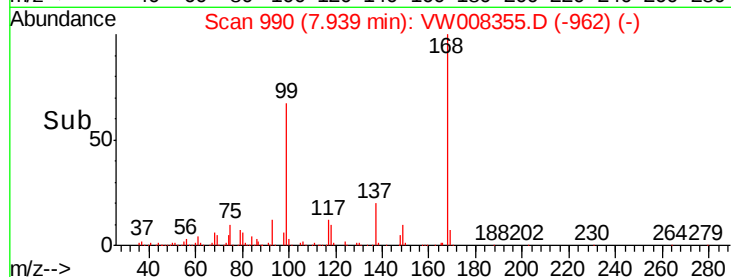
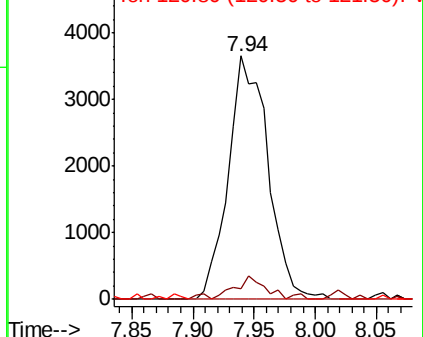
121 0.0 23.4 35.0#



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



#49

1,4-Dioxane

Concen: 8.006 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW008355.D

Acq: 18 Jan 2019 14:48

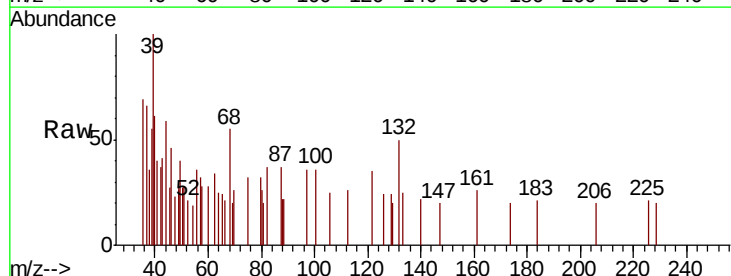
Tgt Ion: 88 Resp: 69

Ion Ratio Lower Upper

88 100

43 739.1 27.1 40.7#

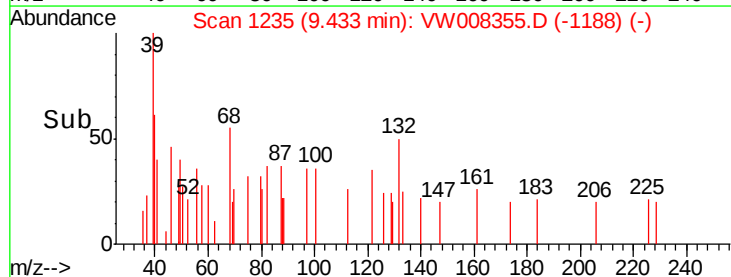
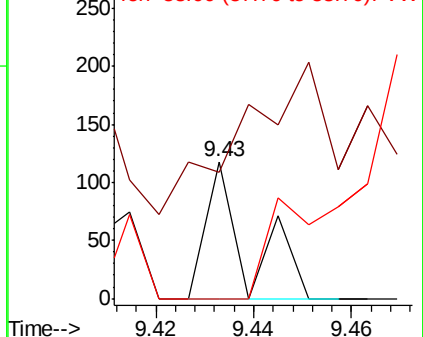
58 0.0 57.9 86.9#

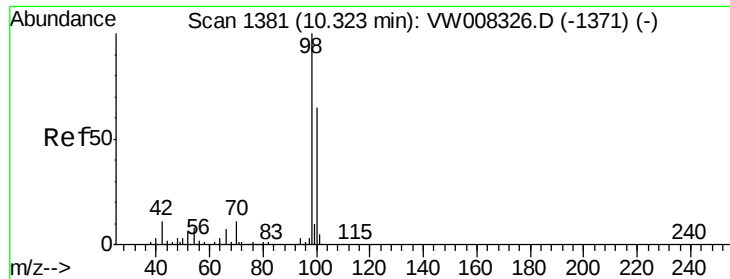


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 54.805 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008355.D

Acq: 18 Jan 2019 14:48

Instrument :

MSVOA_W

ClientSampleId :

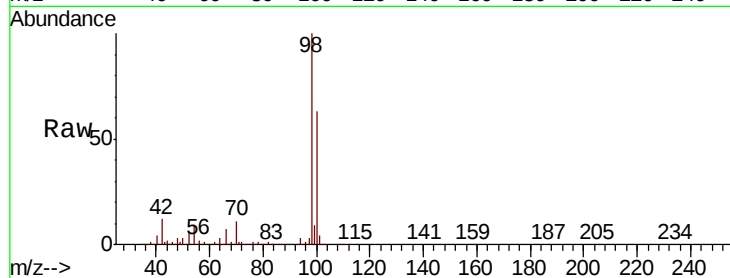
WC-05-011519

Tgt Ion: 98 Resp: 199418

Ion Ratio Lower Upper

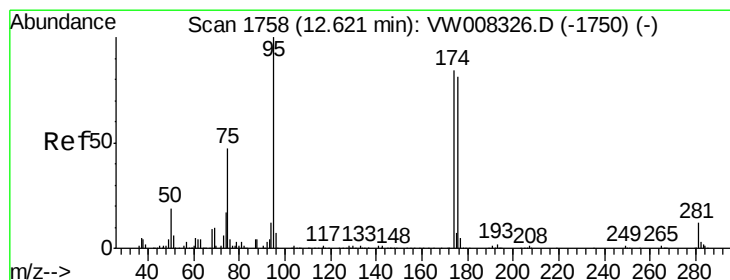
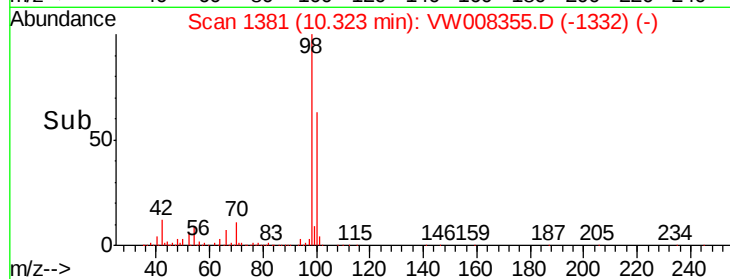
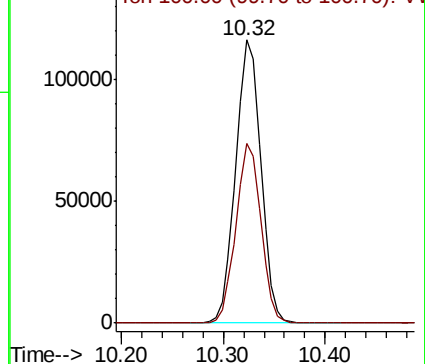
98 100

100 63.0 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 48.507 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008355.D

Acq: 18 Jan 2019 14:48

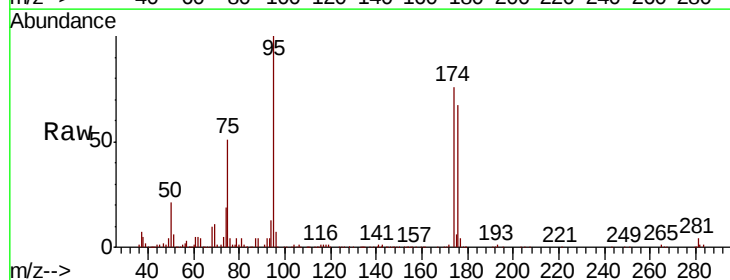
Tgt Ion: 95 Resp: 63303

Ion Ratio Lower Upper

95 100

174 73.6 0.0 166.0

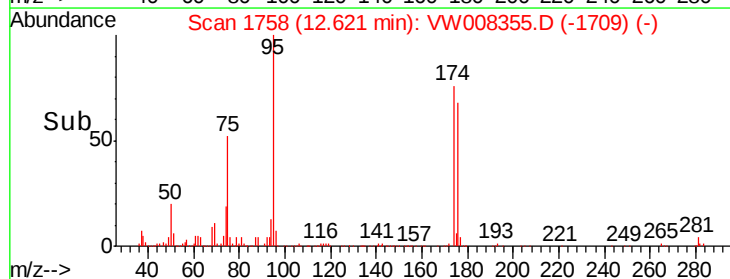
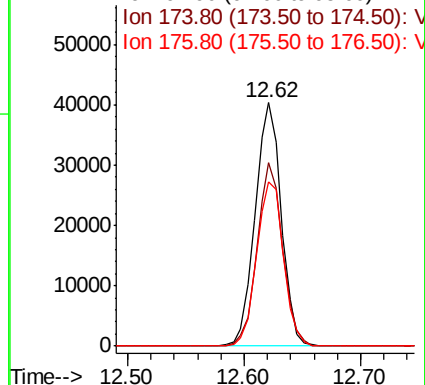
176 69.5 0.0 160.0

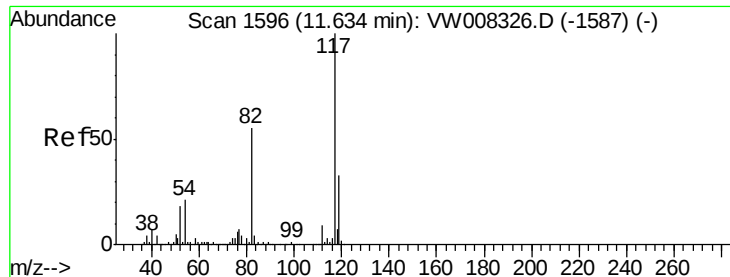


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

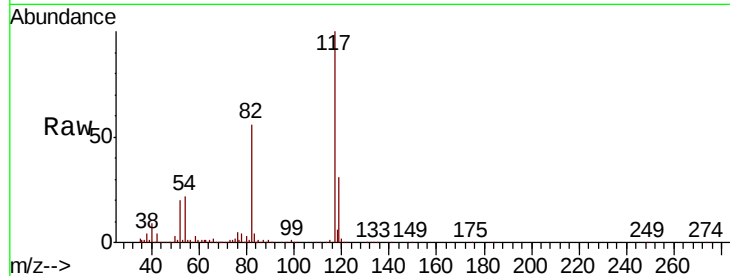




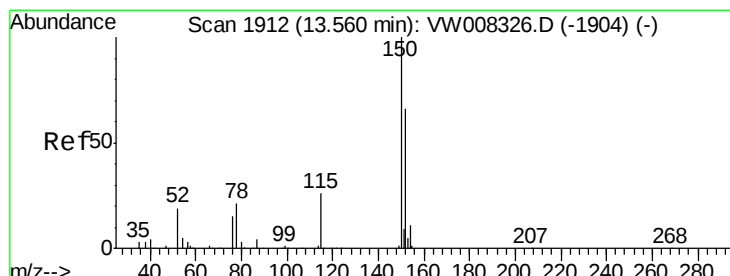
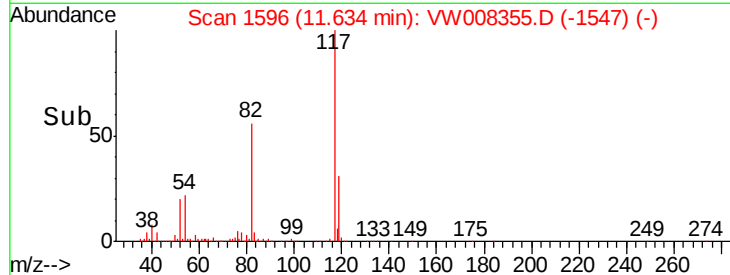
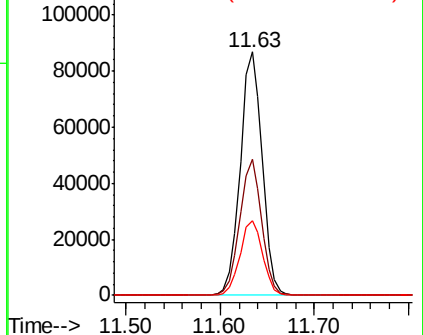
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008355.D
Acq: 18 Jan 2019 14:48

Instrument :
MSVOA_W
ClientSampleId :
WC-05-011519

Tgt Ion:117 Resp: 140505
Ion Ratio Lower Upper
117 100
82 56.0 44.3 66.5
119 30.8 26.3 39.5

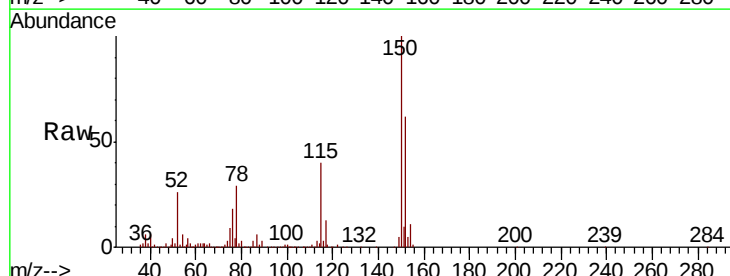


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

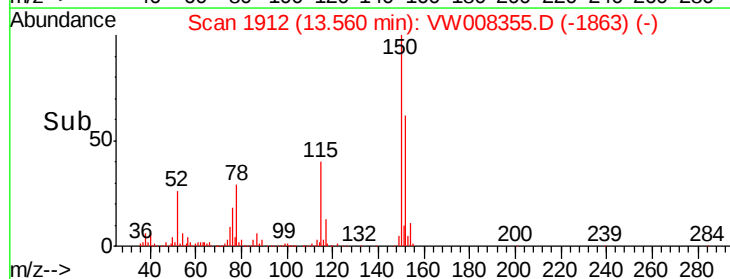
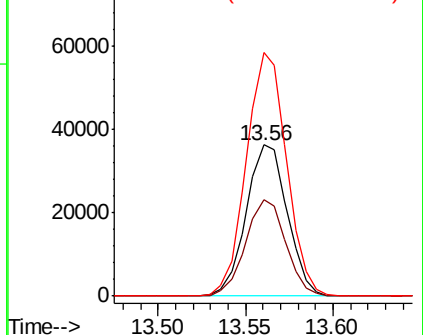


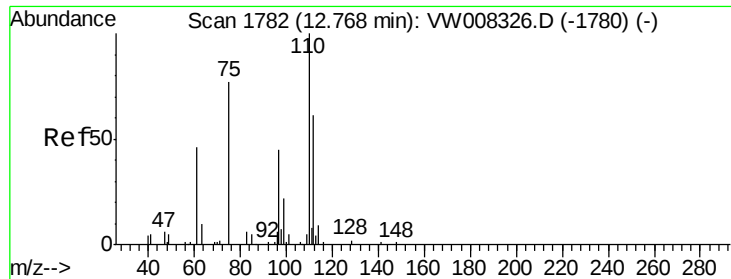
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008355.D
Acq: 18 Jan 2019 14:48

Tgt Ion:152 Resp: 59358
Ion Ratio Lower Upper
152 100
115 62.5 28.8 86.4
150 158.2 0.0 351.4



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: 59.945 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008355.D

Acq: 18 Jan 2019 14:48

Instrument :

MSVOA_W

ClientSampleId :

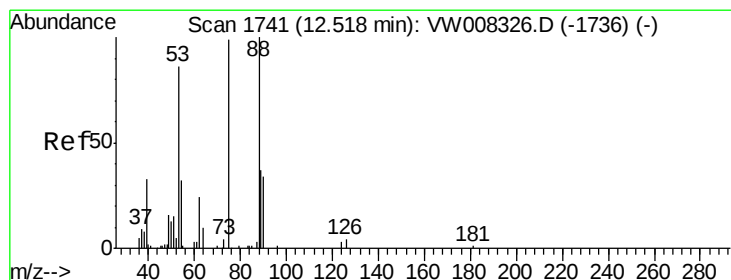
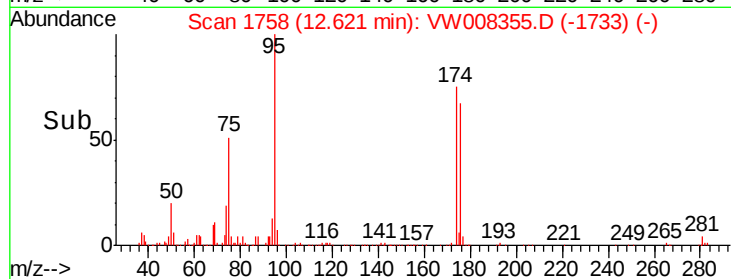
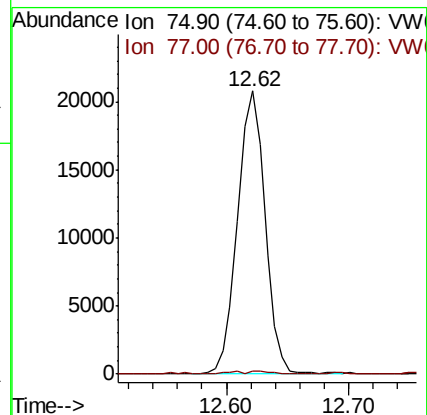
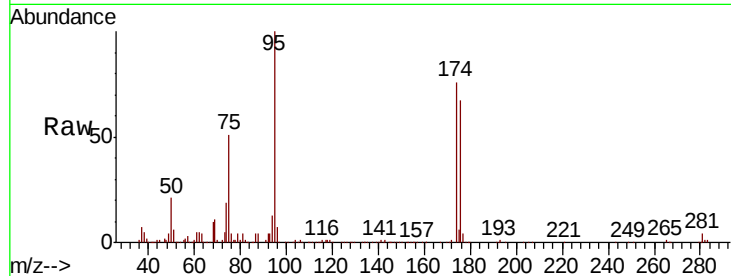
WC-05-011519

Tgt Ion: 75 Resp: 32403

Ion Ratio Lower Upper

75 100

77 0.9 175.3 526.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 143.054 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008355.D

Acq: 18 Jan 2019 14:48

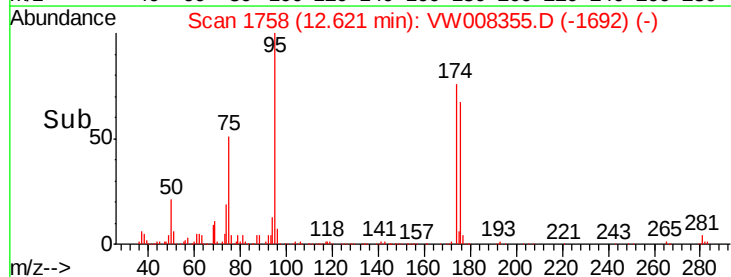
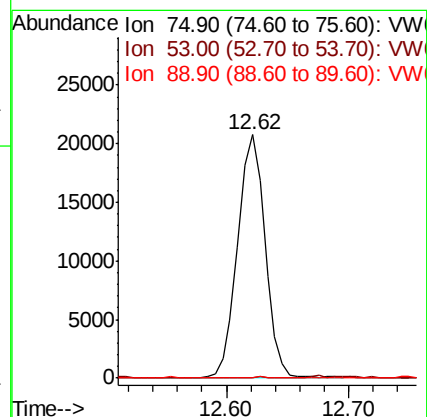
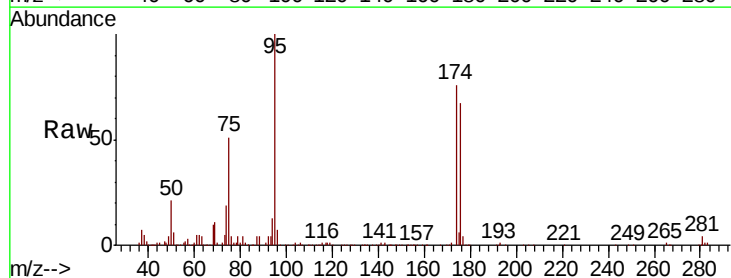
Tgt Ion: 75 Resp: 32403

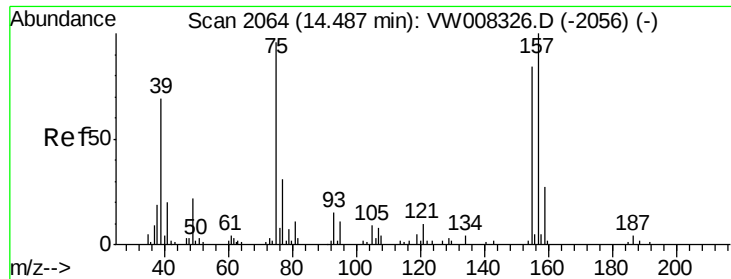
Ion Ratio Lower Upper

75 100

53 0.9 76.2 114.4#

89 0.2 36.7 55.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.405 ug/l

RT: 14.50 min Scan# 2066

Delta R.T. 0.01 min

Lab File: VW008355.D

Acq: 18 Jan 2019 14:48

Instrument :

MSVOA_W

ClientSampleId :

WC-05-011519

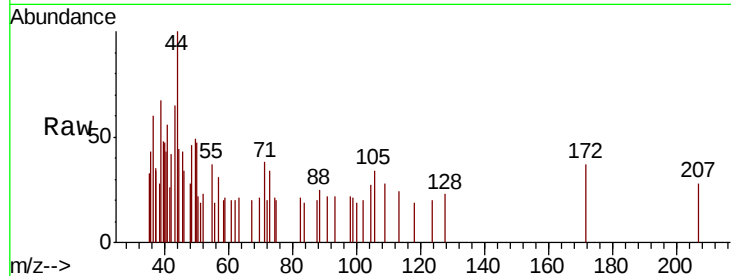
Tgt Ion: 75 Resp: 169

Ion Ratio Lower Upper

75 100

155 0.0 44.7 134.1#

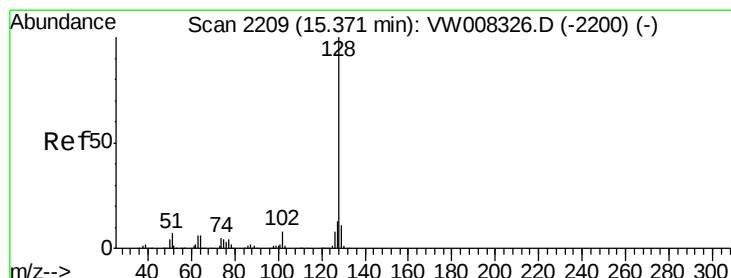
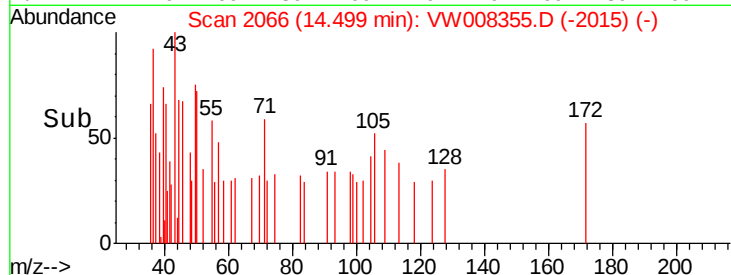
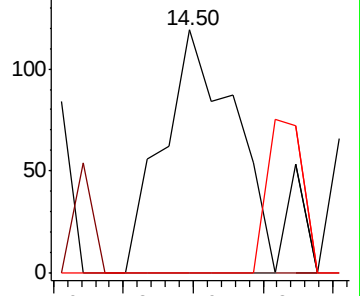
157 0.0 53.9 161.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 2.390 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW008355.D

Acq: 18 Jan 2019 14:48

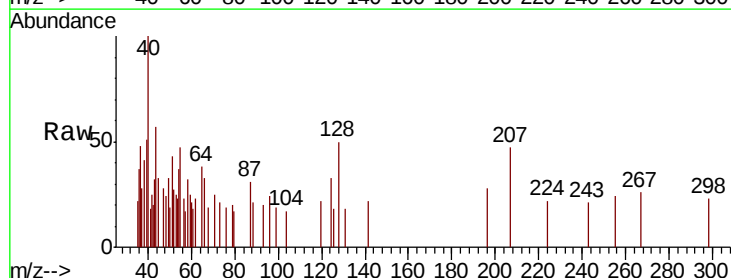
Tgt Ion: 128 Resp: 146

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

