

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011819\
 Data File : VW008354.D
 Acq On : 18 Jan 2019 14:22
 Operator : SY/VA
 Sample : K1157-08
 Misc : 5.09G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-04-011519

Quant Time: Jan 19 01:44:42 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	69131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	131542	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	123560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	54205	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	47900	66.61	ug/l	0.00
Spiked Amount						
Recovery						133.22%
35) Dibromofluoromethane	7.88	113	43384	51.67	ug/l	0.00
Spiked Amount						
Recovery						103.34%
50) Toluene-d8	10.32	98	174110	52.78	ug/l	0.00
Spiked Amount						
Recovery						105.56%
62) 4-Bromofluorobenzene	12.62	95	55036	46.52	ug/l	0.00
Spiked Amount						
Recovery						93.04%

Target Compounds

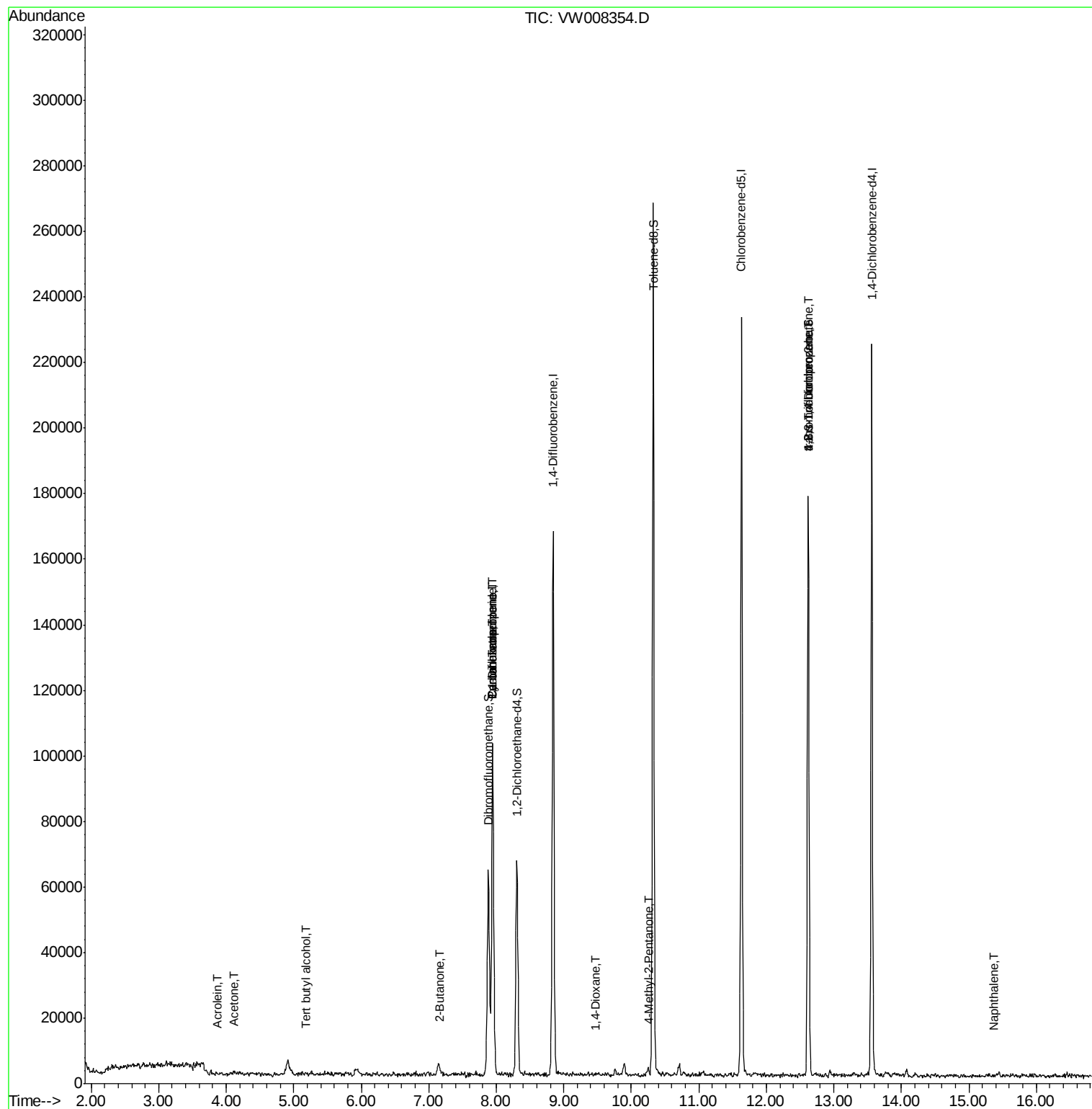
						Qvalue
11) Tert butyl alcohol	5.19	59	209	4.317	ug/l #	69
13) Acrolein	3.87	56	26	8.273	ug/l #	17
16) Acetone	4.12	43	498	2.982	ug/l	98
20) Methylene Chloride	4.90	84	1585	Below Cal	#	82
25) 2-Butanone	7.17	43	357	1.669	ug/l #	48
31) Cyclohexane	7.95	56	1865	1.389	ug/l #	4
36) 1,1-Dichloropropene	7.95	75	6178	4.668	ug/l #	51
38) Carbon Tetrachloride	7.95	117	7111	5.441	ug/l #	20
49) 1,4-Dioxane	9.46	88	64	8.192	ug/l #	1
51) 4-Methyl-2-Pentanone	10.26	43	585	1.121	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	28957	58.663	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	28957	139.994	ug/l #	11
95) Naphthalene	15.37	128	86	2.369	ug/l #	69

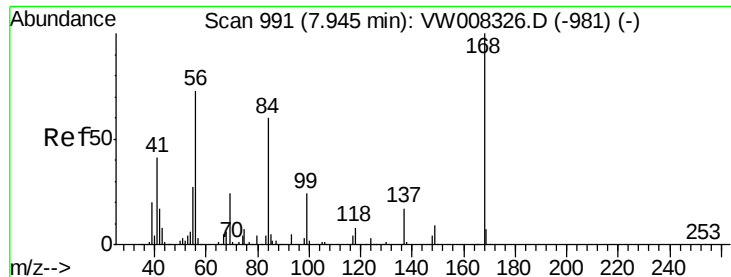
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008354.D

Acq: 18 Jan 2019 14:22

Instrument :

MSVOA_W

ClientSampleId :

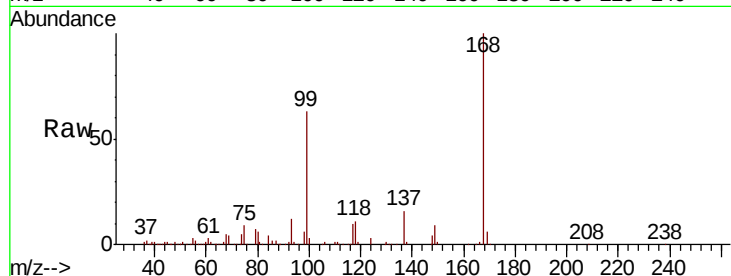
WC-04-011519

Tgt Ion:168 Resp: 69131

Ion Ratio Lower Upper

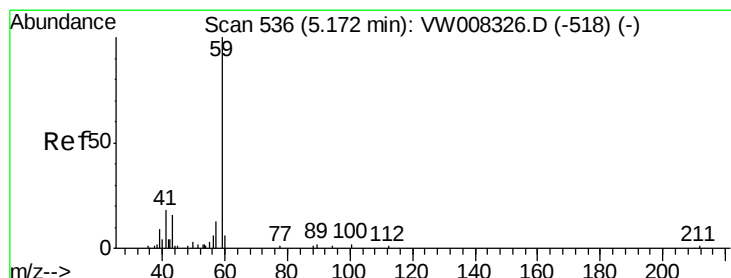
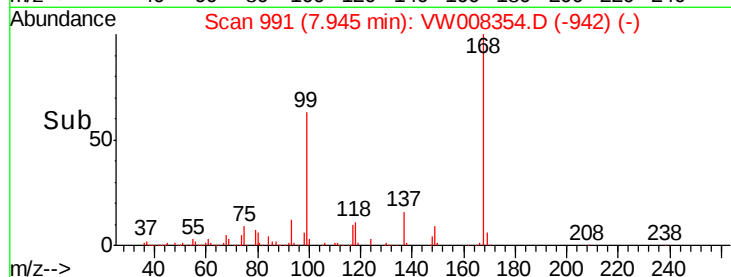
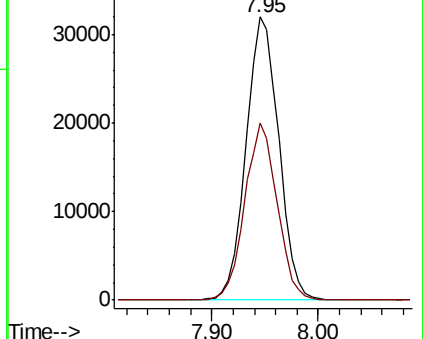
168 100

99 62.6 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: 4.317 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.02 min

Lab File: VW008354.D

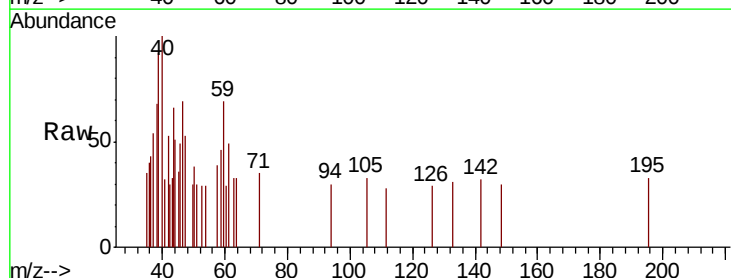
Acq: 18 Jan 2019 14:22

Tgt Ion: 59 Resp: 209

Ion Ratio Lower Upper

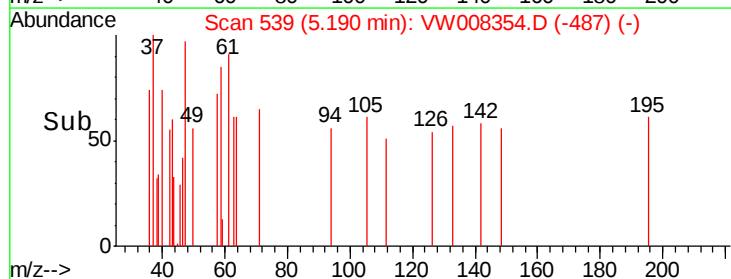
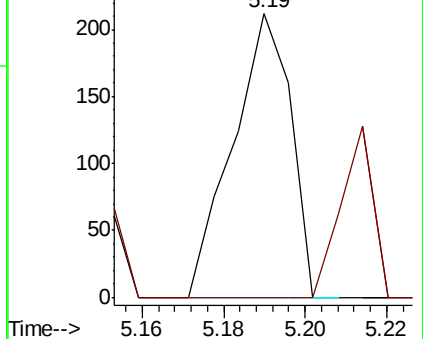
59 100

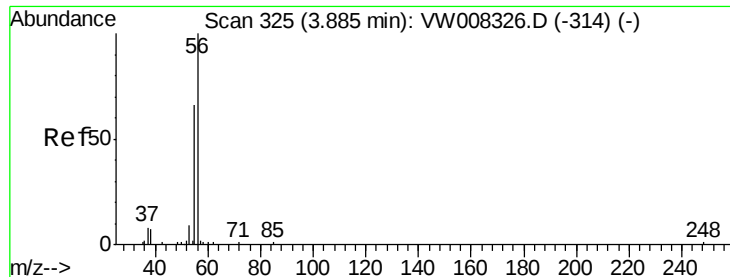
57 0.0 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 8.273 ug/l

RT: 3.87 min Scan# 323

Delta R.T. -0.01 min

Lab File: VW008354.D

Acq: 18 Jan 2019 14:22

Instrument :

MSVOA_W

ClientSampleId :

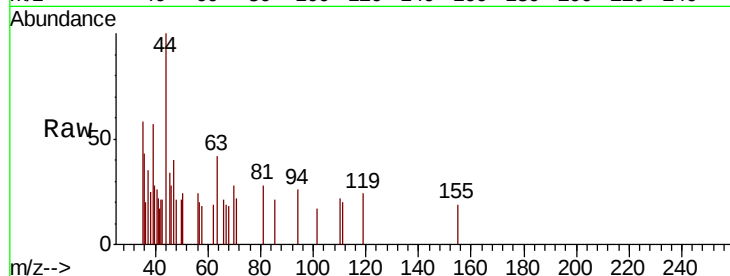
WC-04-011519

Tgt Ion: 56 Resp: 26

Ion Ratio Lower Upper

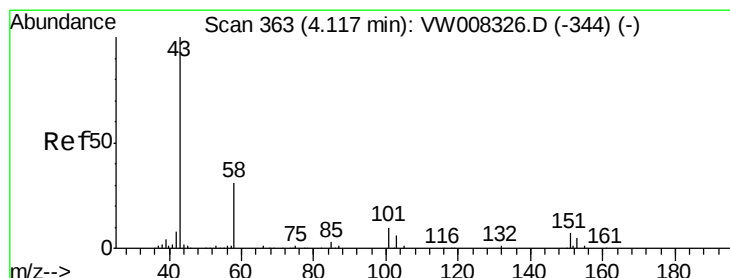
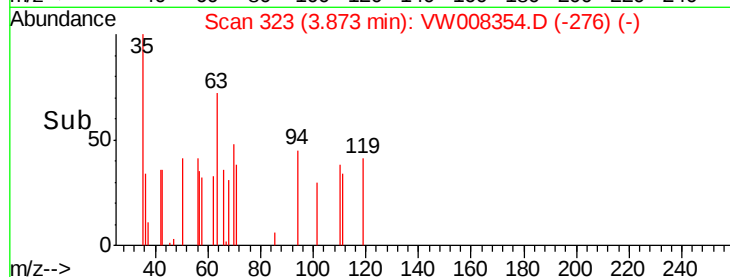
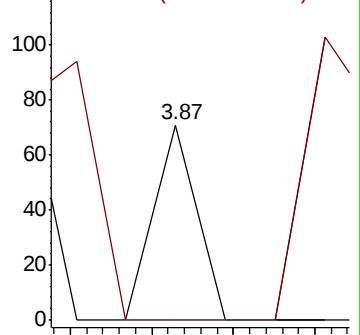
56 100

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: 2.982 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008354.D

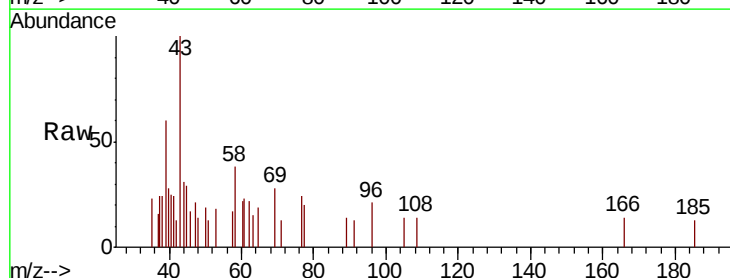
Acq: 18 Jan 2019 14:22

Tgt Ion: 43 Resp: 498

Ion Ratio Lower Upper

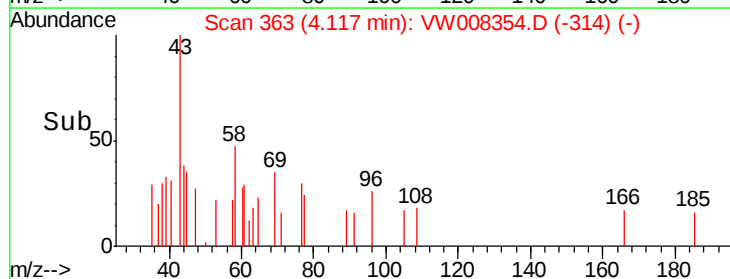
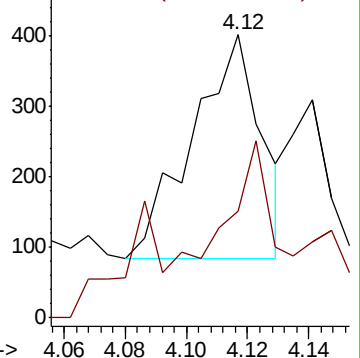
43 100

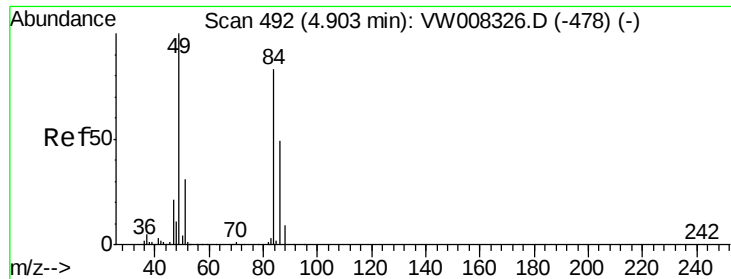
58 30.0 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

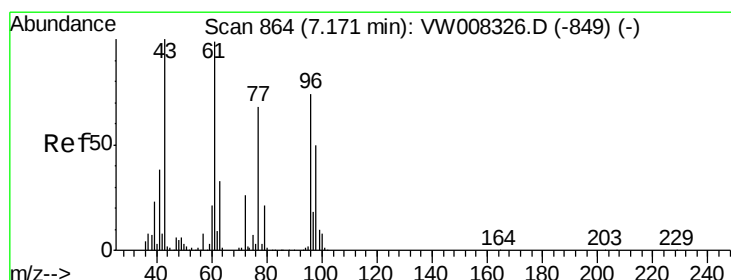
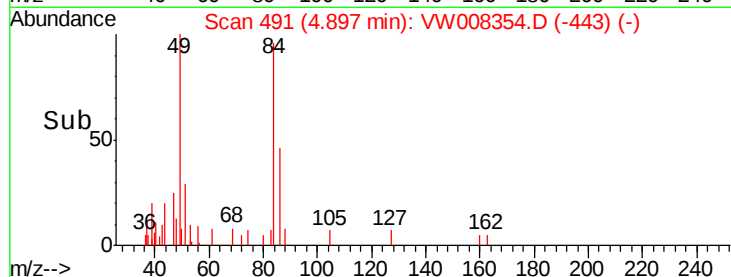
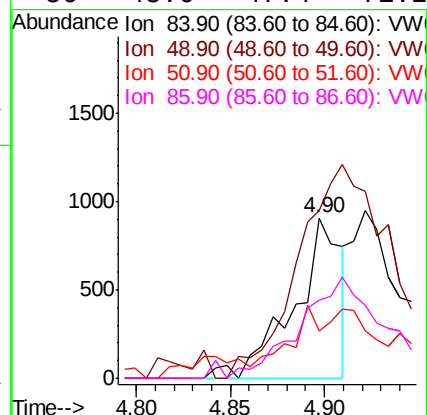
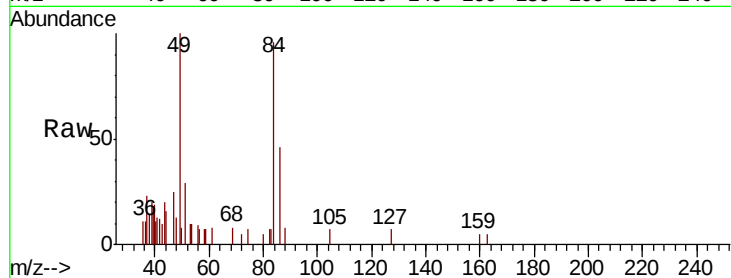




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW008354.D
Acq: 18 Jan 2019 14:22

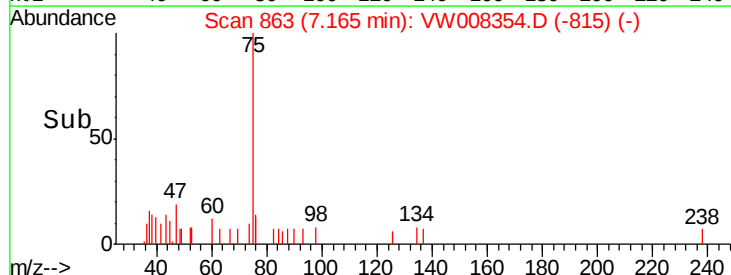
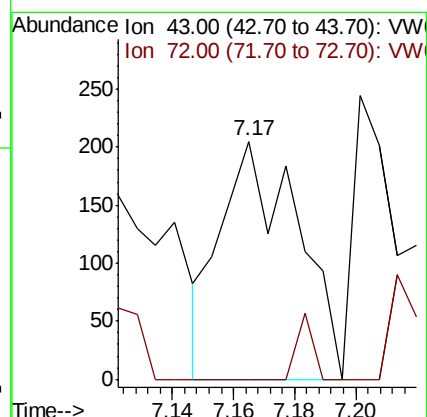
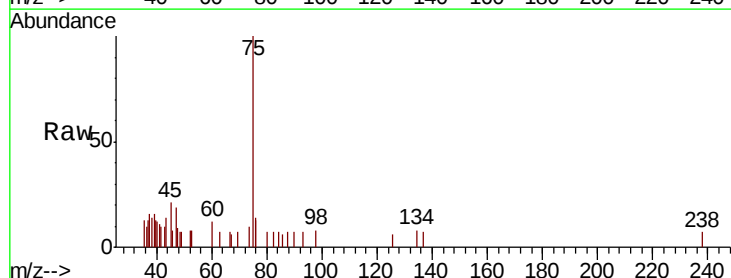
Instrument :
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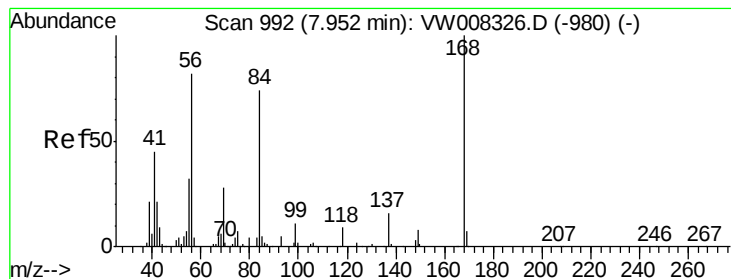
Tgt Ion: 84 Resp: 1585
Ion Ratio Lower Upper
84 100
49 98.9 95.9 143.9
51 23.0 29.3 43.9#
86 48.6 47.4 71.2



#25
2-Butanone
Concen: 1.669 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008354.D
Acq: 18 Jan 2019 14:22

Tgt Ion: 43 Resp: 357
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#





#31

Cyclohexane

Concen: 1.389 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008354.D

Acq: 18 Jan 2019 14:22

Instrument :

MSVOA_W

ClientSampleId :

WC-04-011519

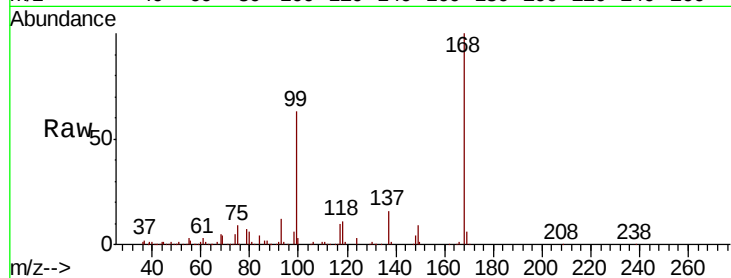
Tgt Ion: 56 Resp: 1865

Ion Ratio Lower Upper

56 100

69 146.3 27.0 40.6#

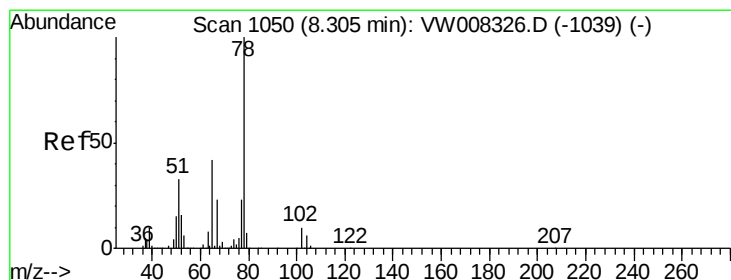
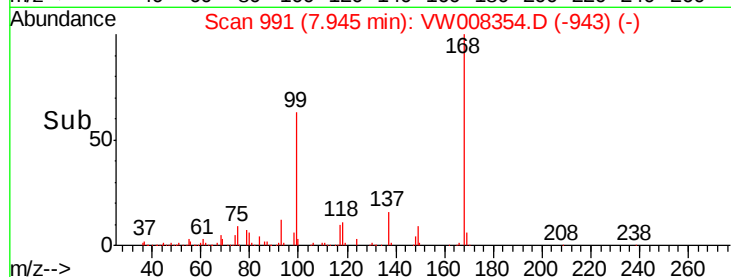
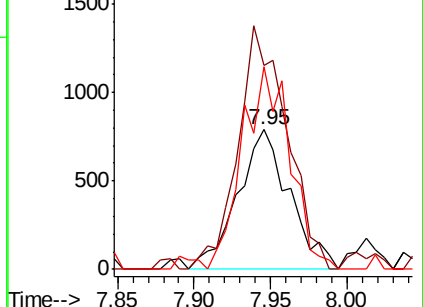
84 145.5 72.5 108.7#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 66.609 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008354.D

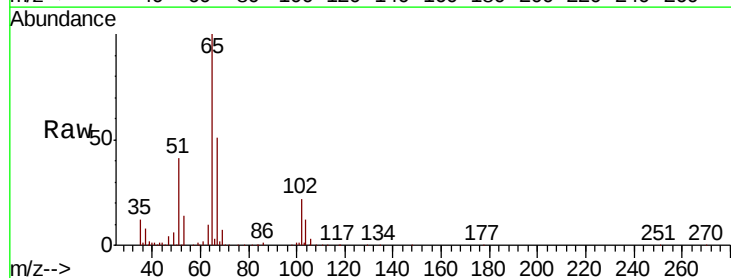
Acq: 18 Jan 2019 14:22

Tgt Ion: 65 Resp: 47900

Ion Ratio Lower Upper

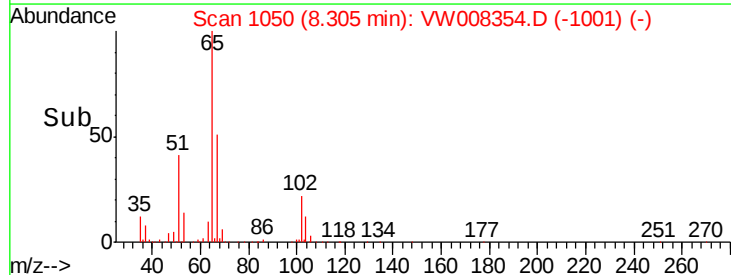
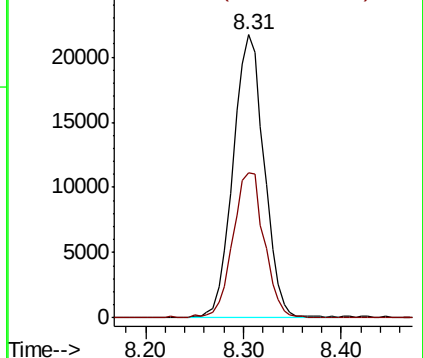
65 100

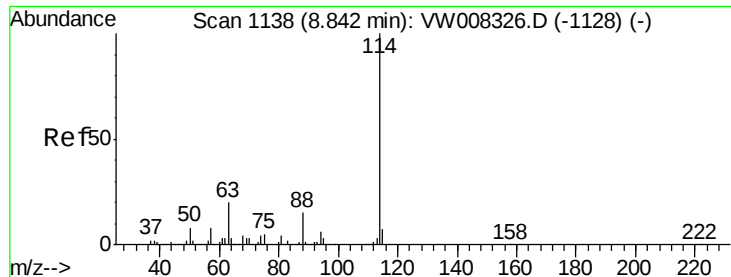
67 51.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

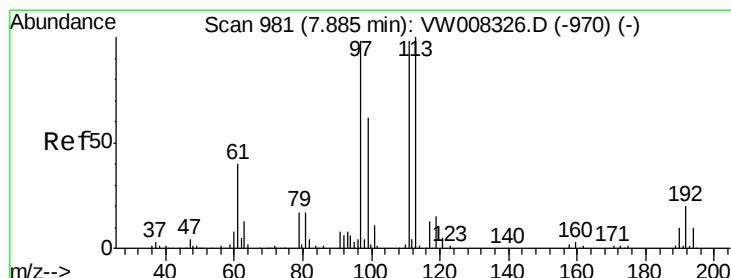
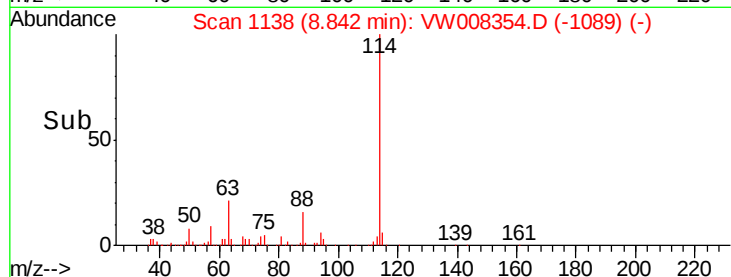
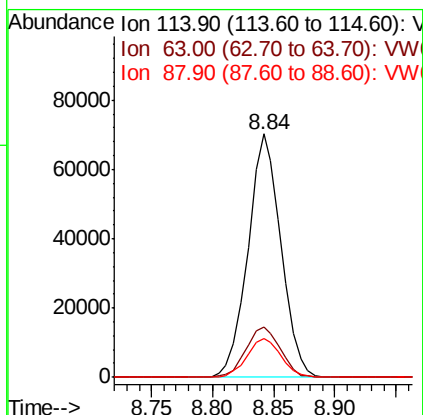
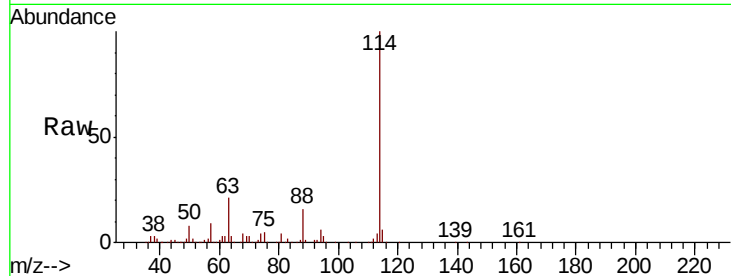




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008354.D
 Acq: 18 Jan 2019 14:22

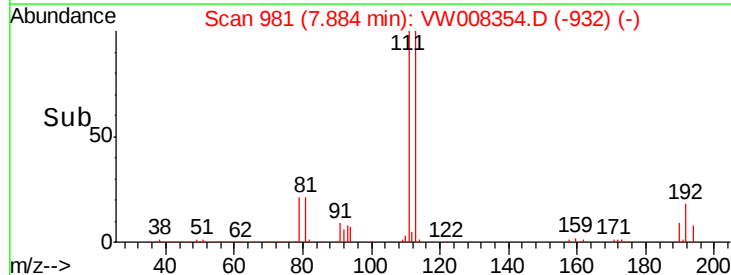
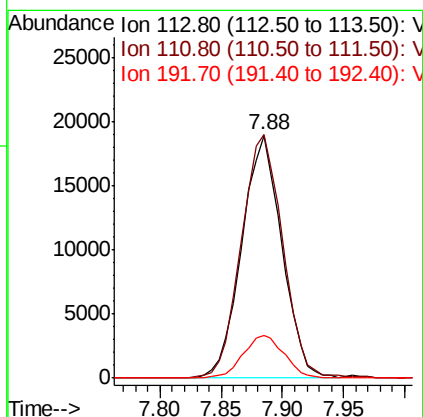
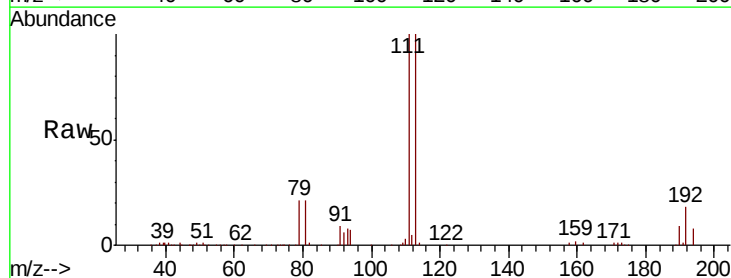
Instrument :
 MSVOA_W
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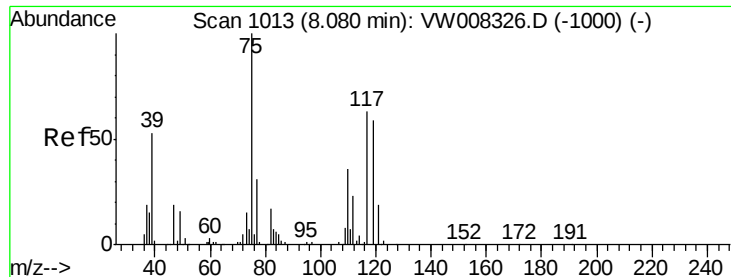
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.8
88	15.7	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 51.667 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008354.D
 Acq: 18 Jan 2019 14:22

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.8	122.8
192	17.9	16.3	24.5

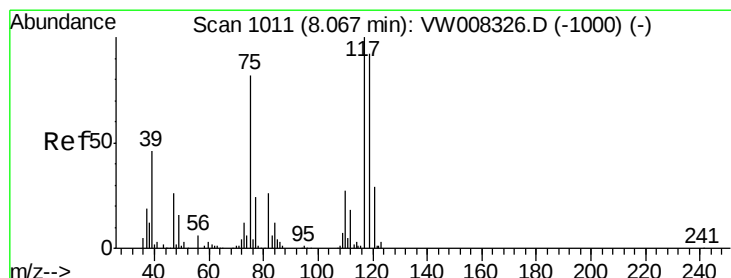
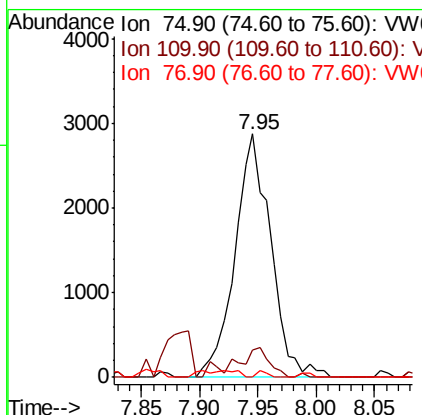
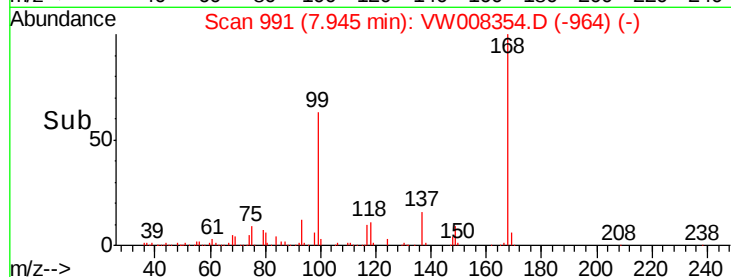
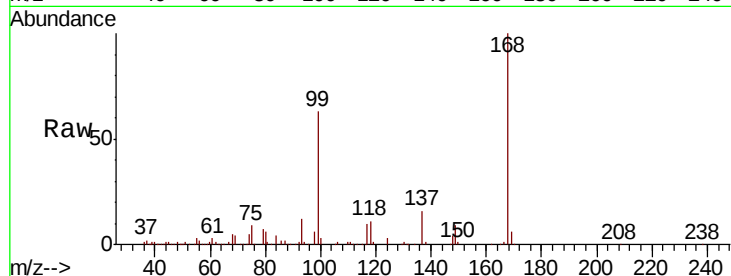




#36
 1,1-Dichloropropene
 Concen: 4.668 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008354.D
 Acq: 18 Jan 2019 14:22

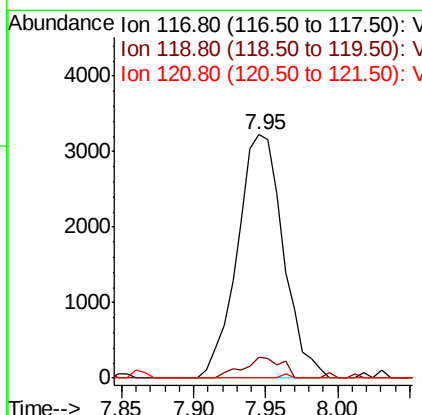
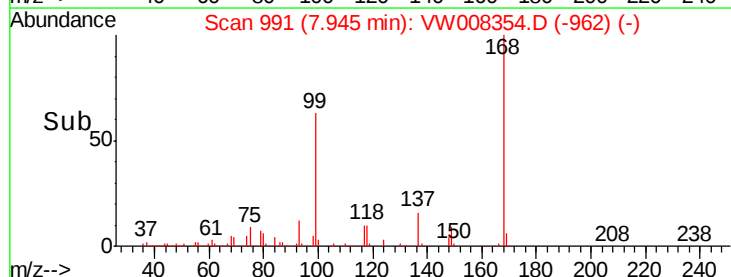
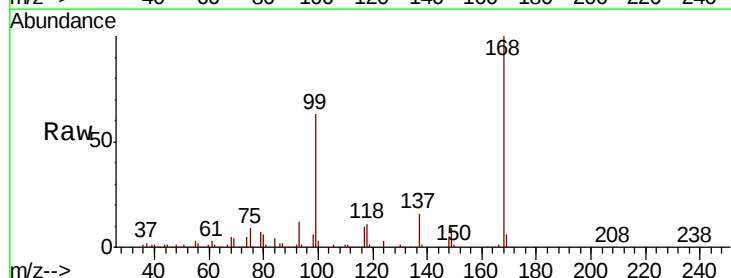
Instrument :
 MSVOA_W
 ClientSampleId :
 WC-04-011519

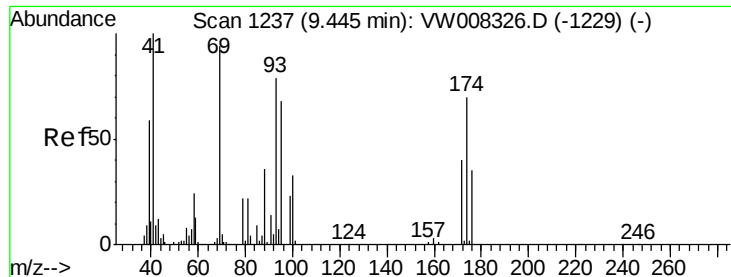
Tgt Ion: 75 Resp: 6178
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.5 52.6#
 77 0.8 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.441 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008354.D
 Acq: 18 Jan 2019 14:22

Tgt Ion: 117 Resp: 7111
 Ion Ratio Lower Upper
 117 100
 119 8.4 73.8 110.6#
 121 0.0 23.4 35.0#

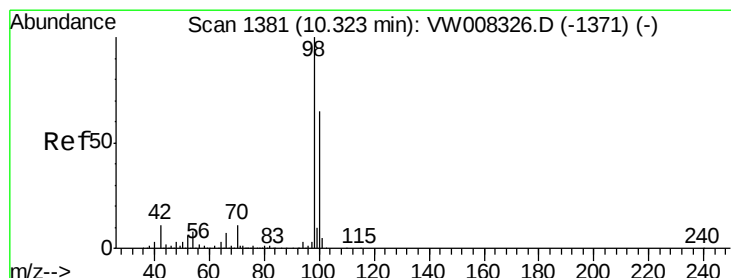
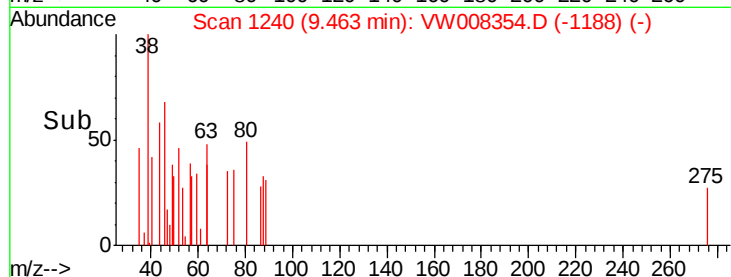
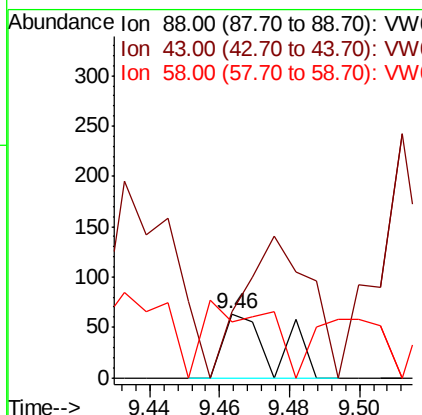
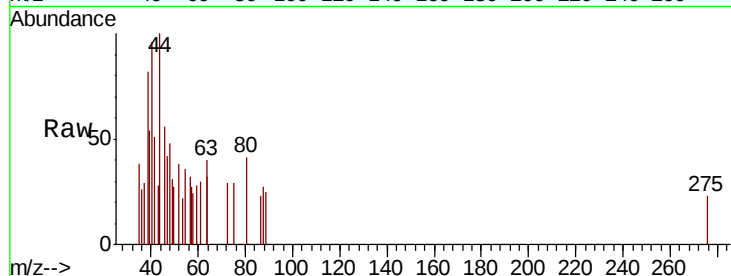




#49
 1,4-Dioxane
 Concen: 8.192 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.02 min
 Lab File: VW008354.D
 Acq: 18 Jan 2019 14:22

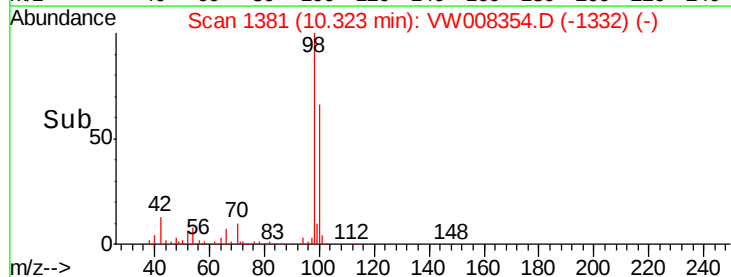
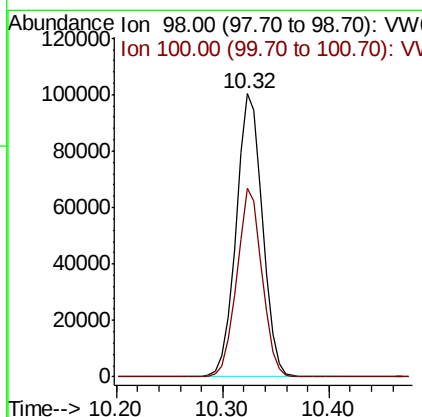
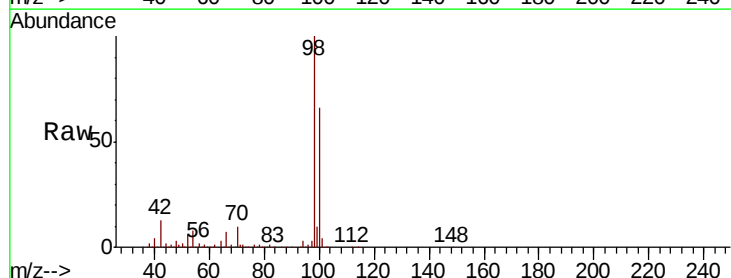
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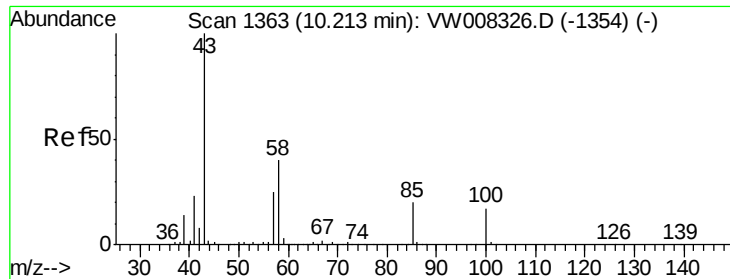
Tgt Ion: 88 Resp: 64
 Ion Ratio Lower Upper
 88 100
 43 289.1 27.1 40.7#
 58 146.9 57.9 86.9#



#50
 Toluene-d8
 Concen: 52.781 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW008354.D
 Acq: 18 Jan 2019 14:22

Tgt Ion: 98 Resp: 174110
 Ion Ratio Lower Upper
 98 100
 100 63.6 51.8 77.8

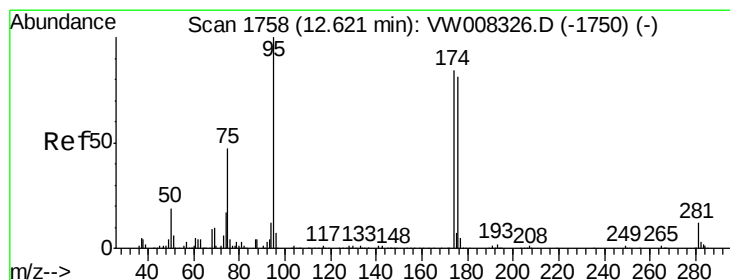
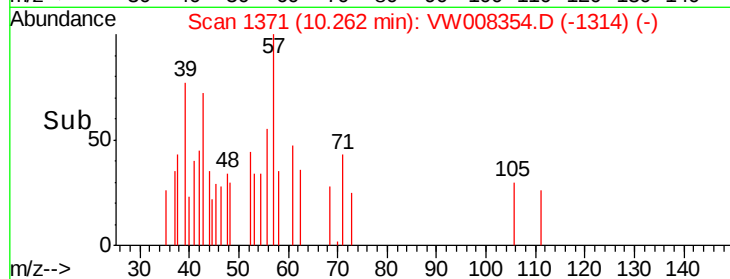
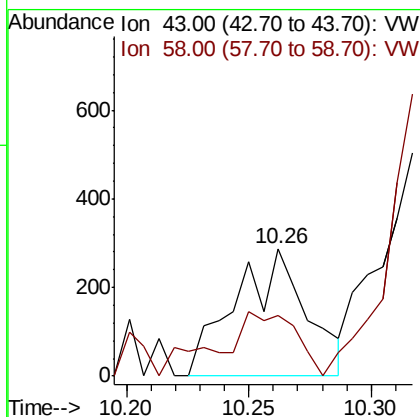
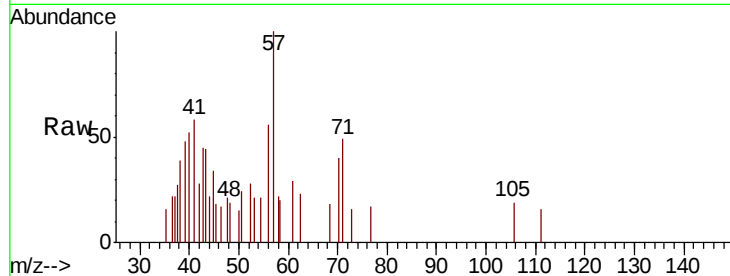




#51
 4-Methyl-2-Pentanone
 Concen: 1.121 ug/l
 RT: 10.26 min Scan# 1371
 Delta R.T. 0.05 min
 Lab File: VW008354.D
 Acq: 18 Jan 2019 14:22

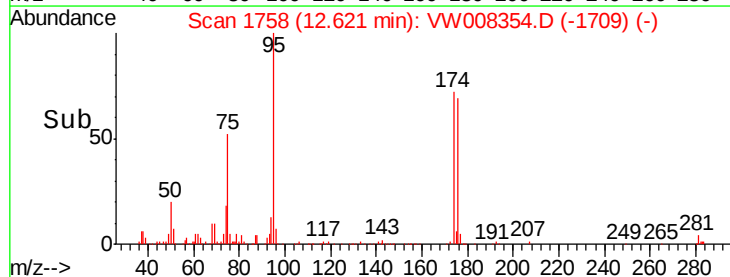
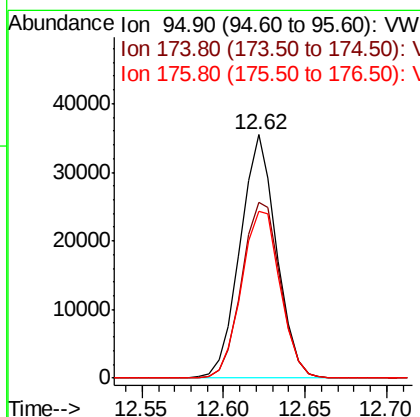
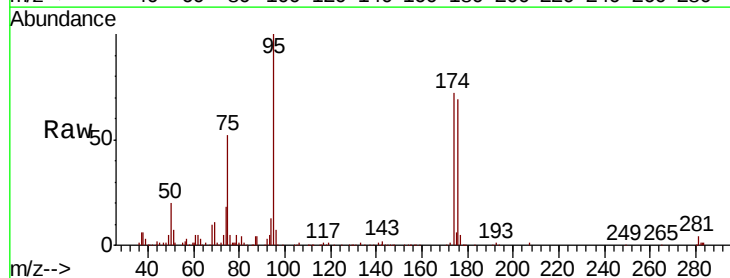
Instrument :
 MSVOA_W
 ClientSampleId :
 WC-04-011519

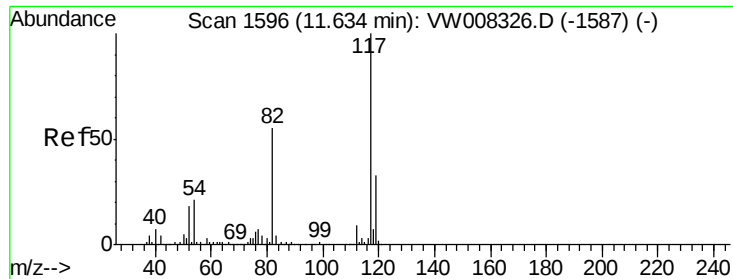
Tgt Ion: 43 Resp: 585
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.4 47.0



#62
 4-Bromofluorobenzene
 Concen: 46.519 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008354.D
 Acq: 18 Jan 2019 14:22

Tgt Ion: 95 Resp: 55036
 Ion Ratio Lower Upper
 95 100
 174 76.9 0.0 166.0
 176 73.6 0.0 160.0

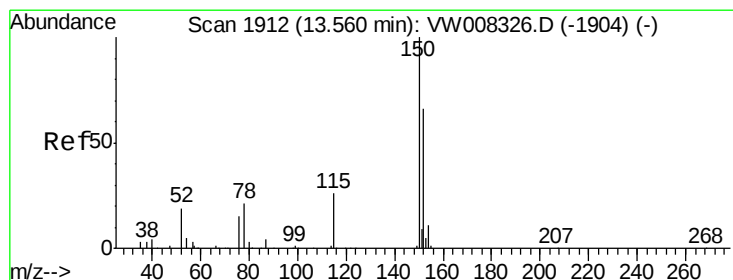
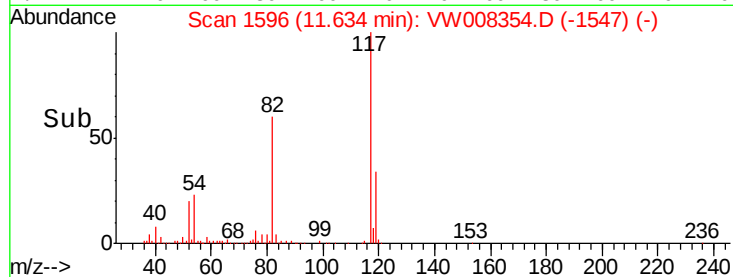
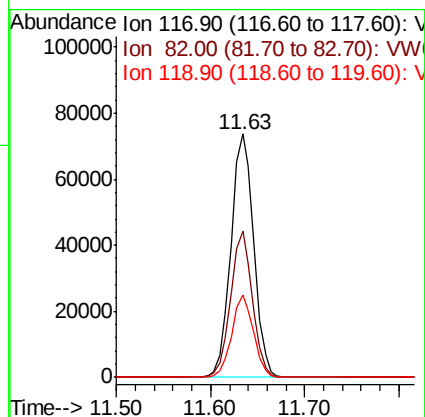
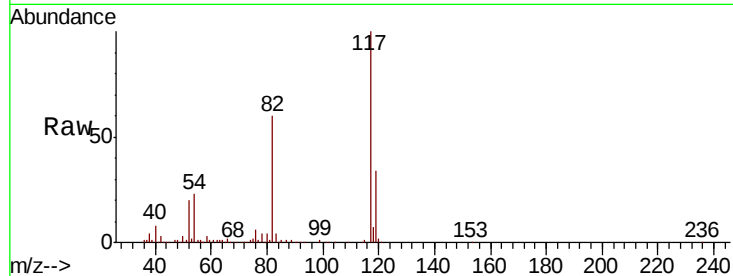




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008354.D
Acq: 18 Jan 2019 14:22

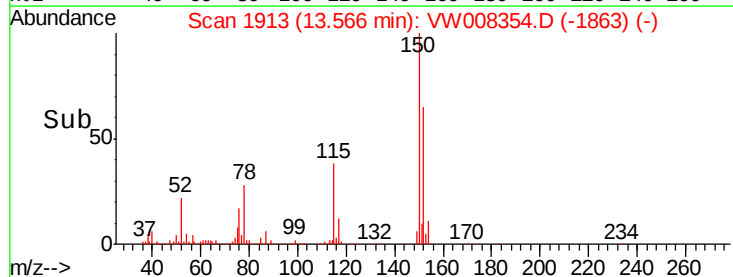
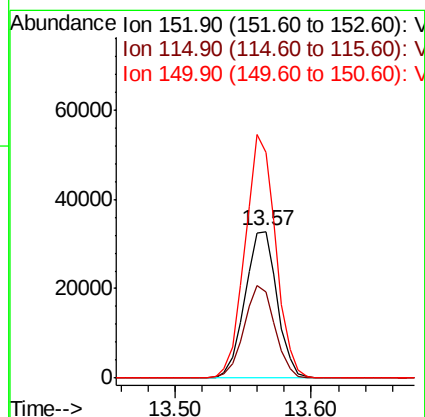
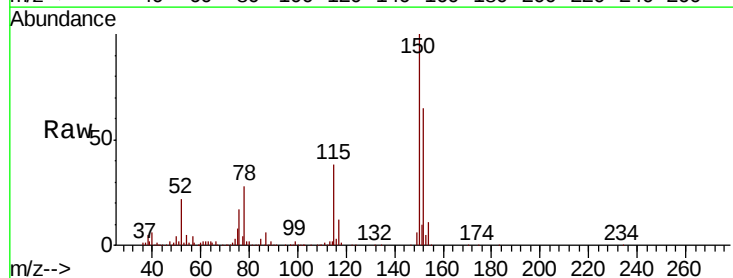
Instrument :
MSVOA_W
ClientSampleId :
WC-04-011519

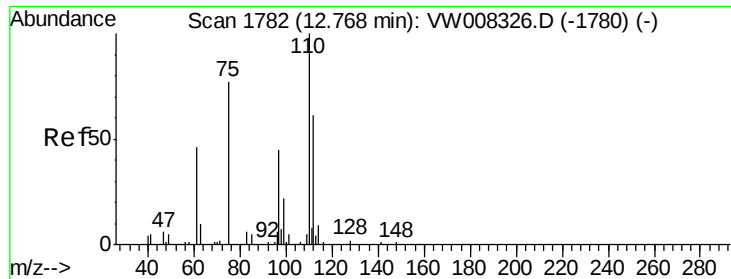
Tgt Ion:117 Resp: 123560
Ion Ratio Lower Upper
117 100
82 59.9 44.3 66.5
119 33.7 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW008354.D
Acq: 18 Jan 2019 14:22

Tgt Ion:152 Resp: 54205
Ion Ratio Lower Upper
152 100
115 60.7 28.8 86.4
150 158.0 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 58.663 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008354.D

Acq: 18 Jan 2019 14:22

Instrument :

MSVOA_W

ClientSampleId :

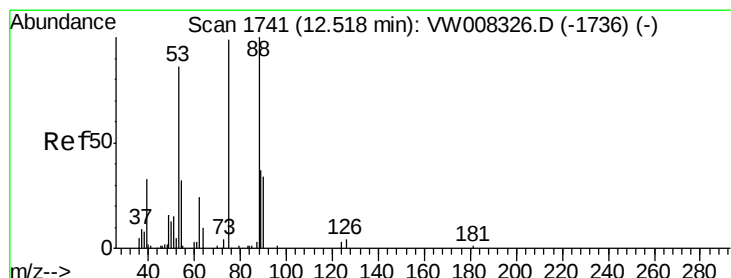
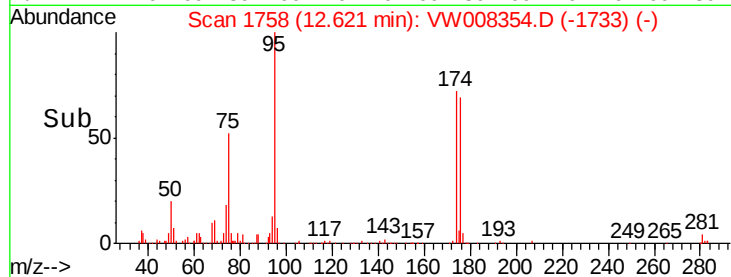
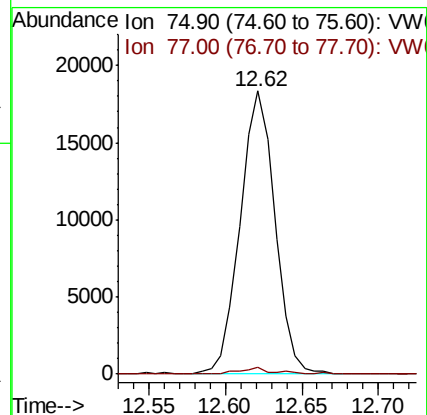
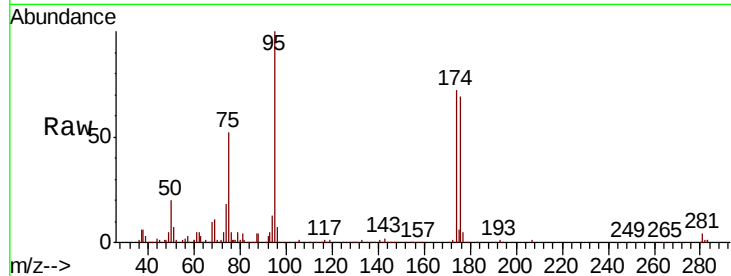
WC-04-011519

Tgt Ion: 75 Resp: 28957

Ion Ratio Lower Upper

75 100

77 2.1 175.3 526.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.994 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008354.D

Acq: 18 Jan 2019 14:22

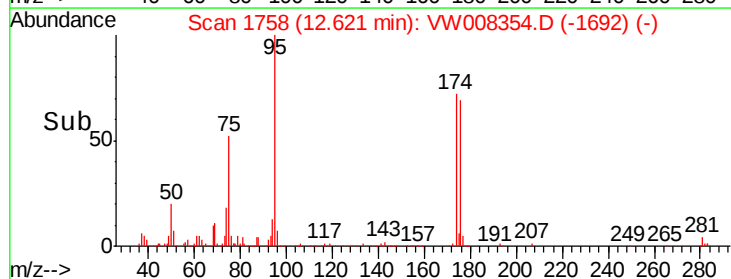
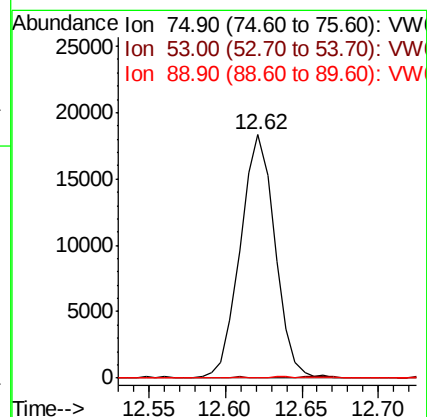
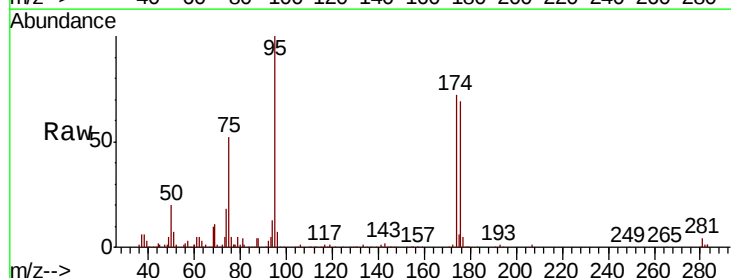
Tgt Ion: 75 Resp: 28957

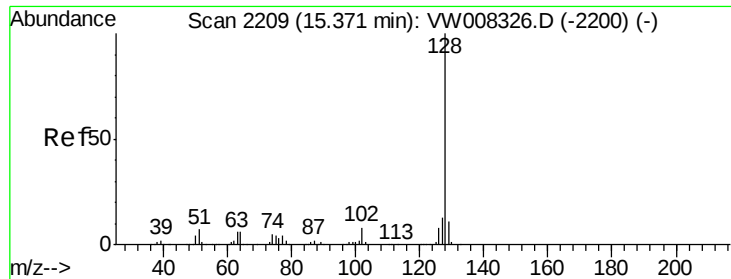
Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.4#

89 0.3 36.7 55.1#

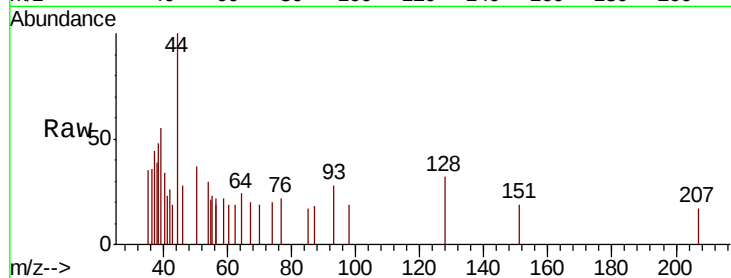




#95
 Naphthalene
 Concen: 2.369 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW008354.D
 Acq: 18 Jan 2019 14:22

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-04-011519

Tgt 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

