

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030719\
 Data File : VW009047.D
 Acq On : 07 Mar 2019 18:37
 Operator : SY/VA
 Sample : K1760-15RE
 Misc : 4.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 Z2-11RE

Quant Time: Mar 08 05:43:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	74415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	105265	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	97240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	39000	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	42249	56.43	ug/l	0.00
Spiked Amount			Recovery	=	112.86%	
35) Dibromofluoromethane	7.88	113	33468	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	
50) Toluene-d8	10.32	98	129571	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.62	95	39406	38.46	ug/l	0.00
Spiked Amount			Recovery	=	76.92%	

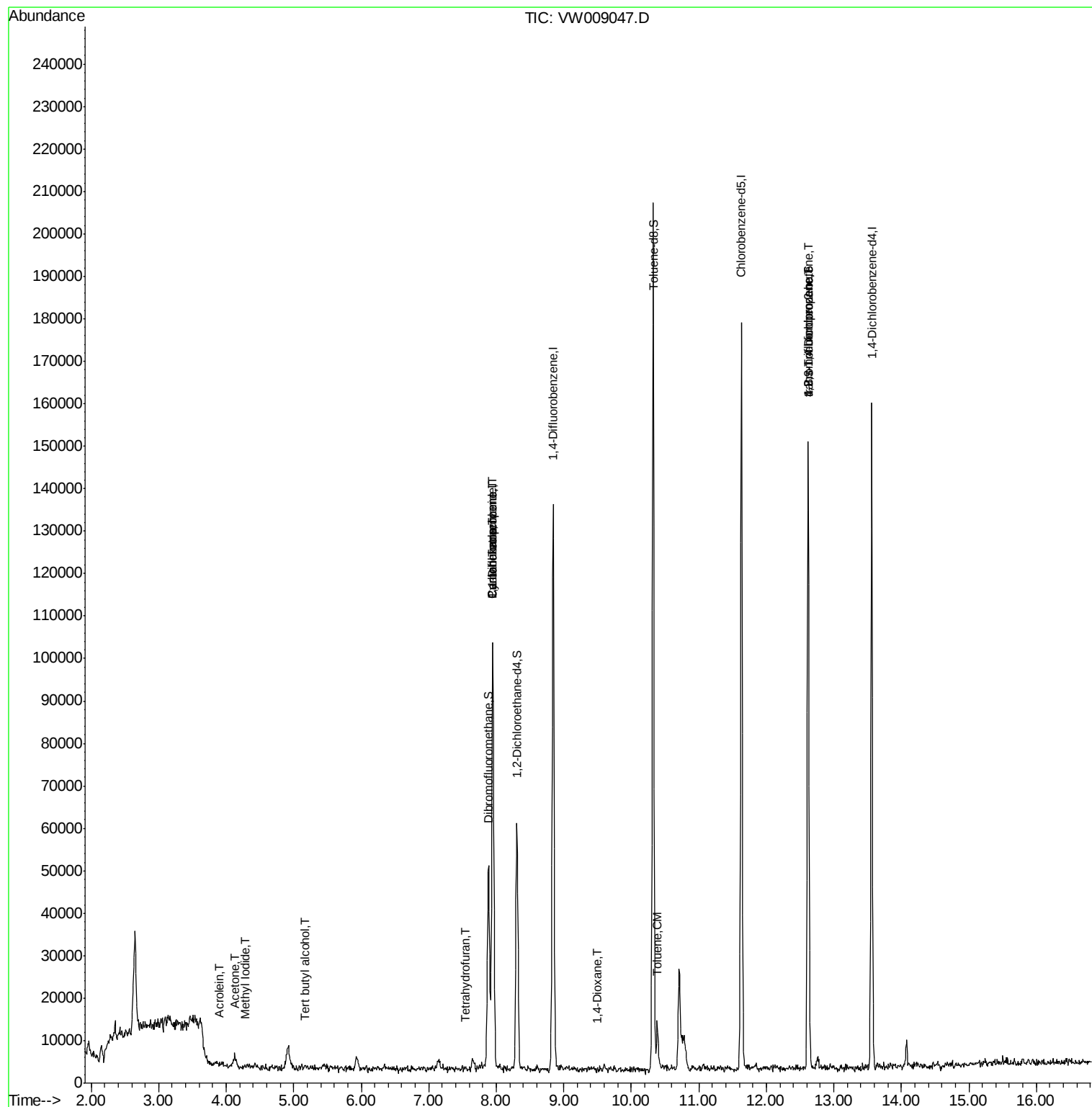
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.28	142	158	3.363	ug/l #	56
11) Tert butyl alcohol	5.17	59	210	3.660	ug/l #	72
13) Acrolein	3.90	56	119	1.885	ug/l #	48
16) Acetone	4.13	43	4973	29.435	ug/l #	89
20) Methylene Chloride	4.92	84	3760	Below Cal	#	77
29) Tetrahydrofuran	7.55	42	238	1.618	ug/l #	49
31) Cyclohexane	7.95	56	1858	1.331	ug/l #	17
36) 1,1-Dichloropropene	7.95	75	5683	5.163	ug/l #	53
38) Carbon Tetrachloride	7.95	117	7222	6.353	ug/l #	18
49) 1,4-Dioxane	9.50	88	42	7.298	ug/l #	1
52) Toluene	10.39	92	4532	2.274	ug/l	87
76) 1,2,3-Trichloropropane	12.62	75	21253	68.974	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	21253	154.276	ug/l #	6

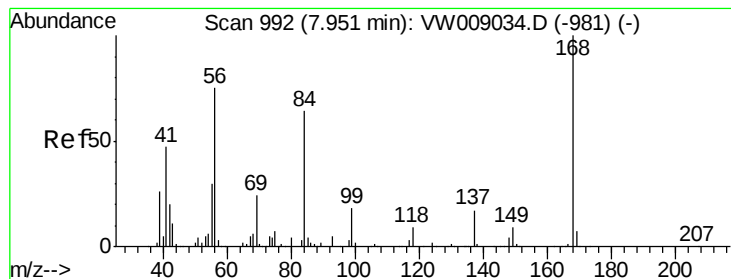
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW030719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009047.D

Acq: 07 Mar 2019 18:37

Instrument :

MSVOA_W

ClientSampleId :

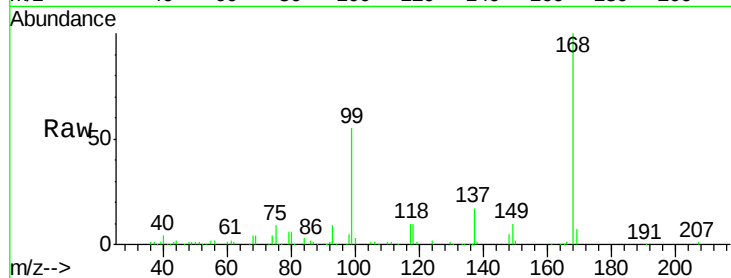
Z2-11RE

Tgt Ion:168 Resp: 74415

Ion Ratio Lower Upper

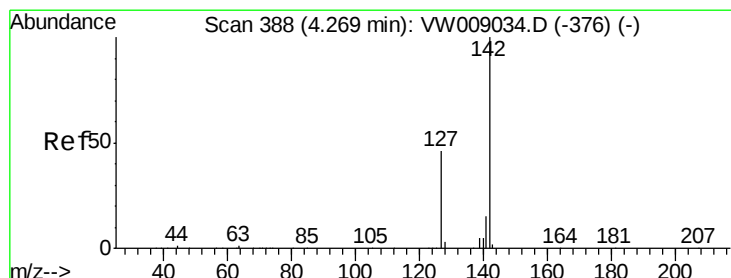
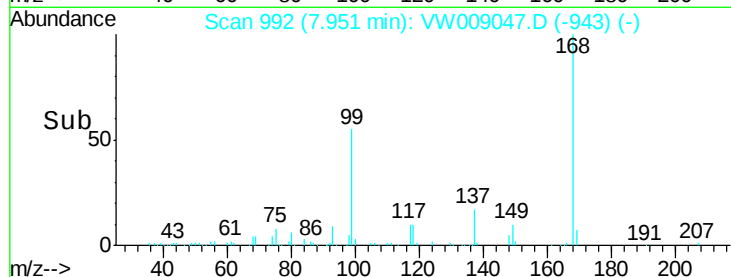
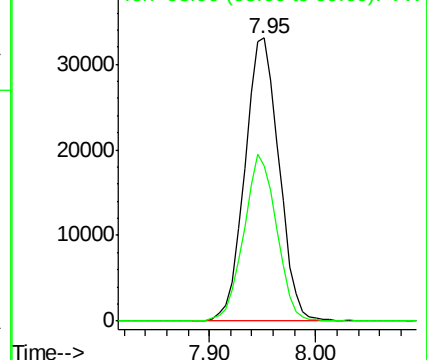
168 100

99 54.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#10

Methyl Iodide

Concen: 3.363 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW009047.D

Acq: 07 Mar 2019 18:37

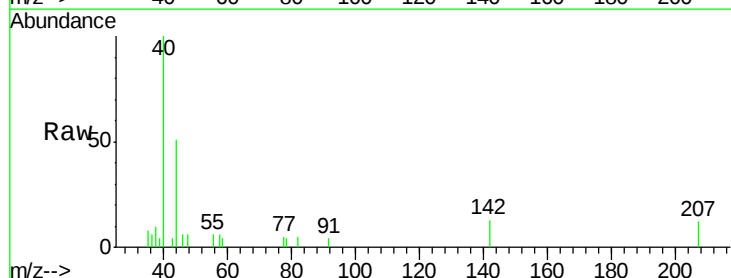
Tgt Ion:142 Resp: 158

Ion Ratio Lower Upper

142 100

127 13.9 35.8 53.6#

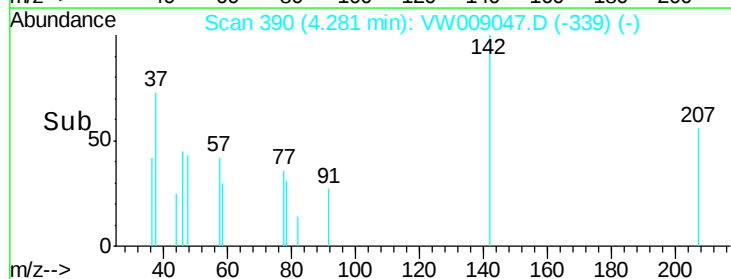
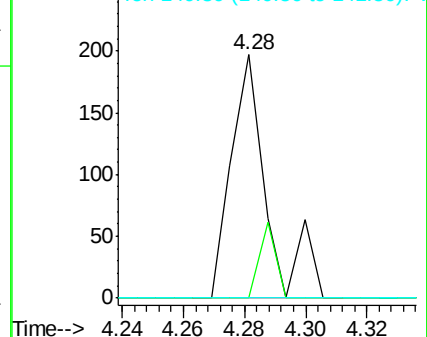
141 0.0 11.8 17.8#

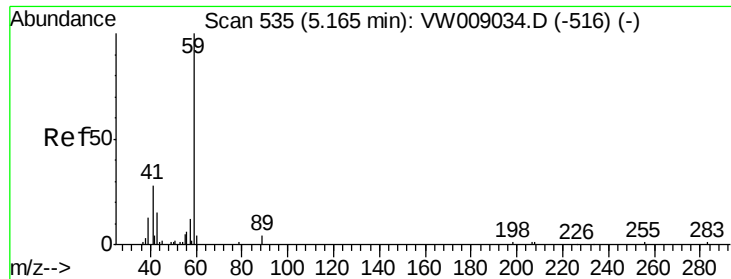


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

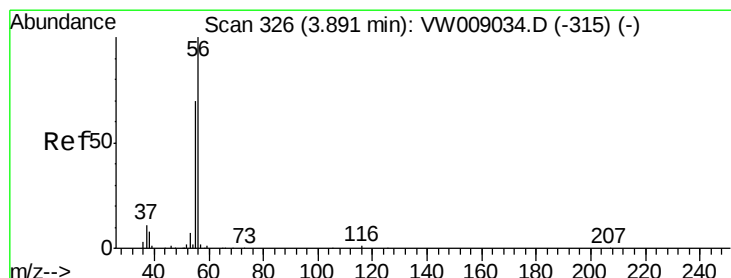
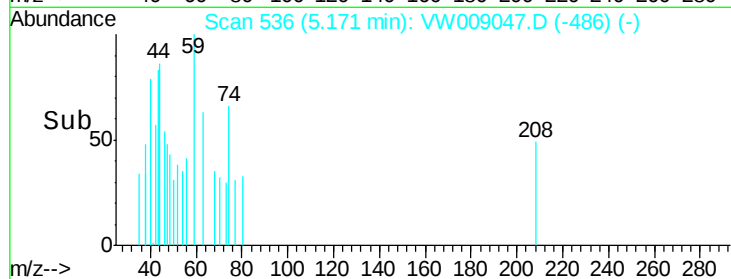
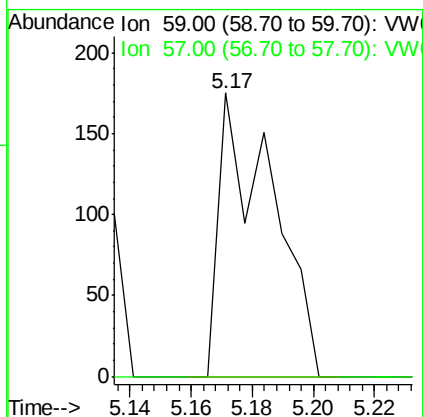
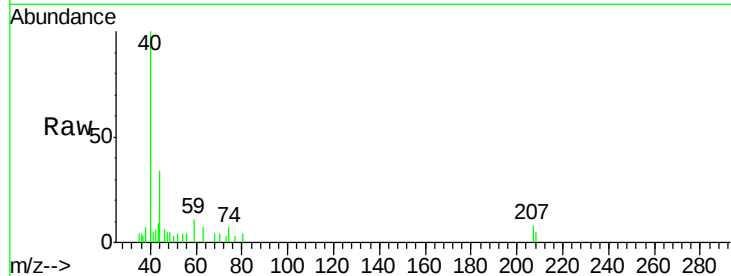




#11
Tert butyl alcohol
Concen: 3.660 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW009047.D
Acq: 07 Mar 2019 18:37

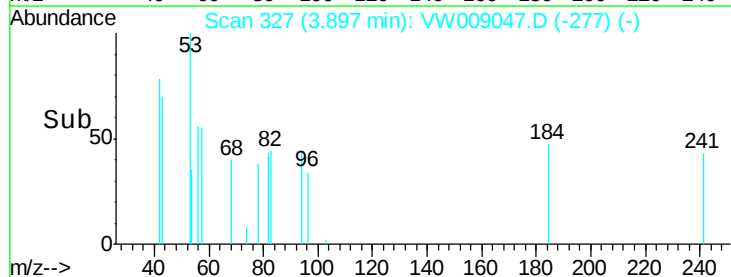
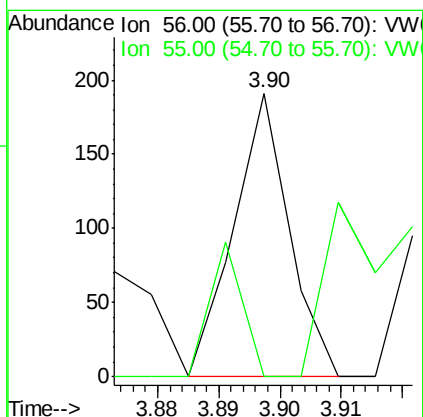
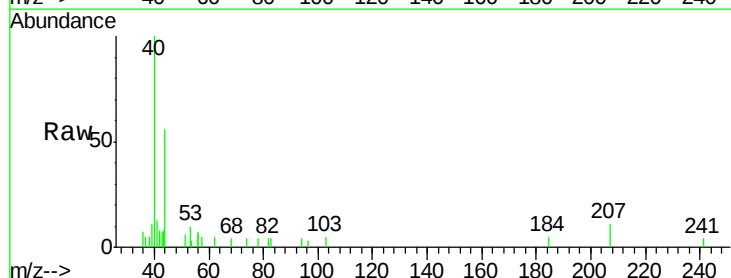
Instrument :
MSVOA_W
ClientSampled :
Z2-11RE

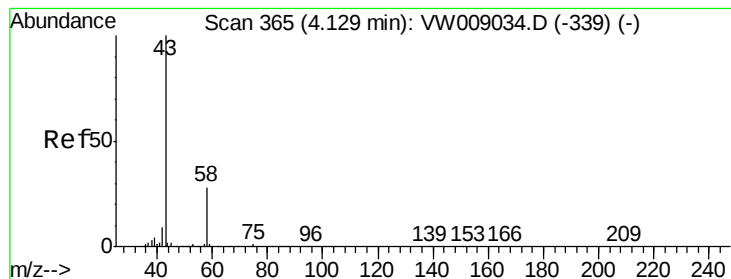
Tgt Ion: 59 Resp: 210
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 1.885 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW009047.D
Acq: 07 Mar 2019 18:37

Tgt Ion: 56 Resp: 119
Ion Ratio Lower Upper
56 100
55 27.7 56.6 84.8#





#16

Acetone

Concen: 29.435 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW009047.D

Acq: 07 Mar 2019 18:37

Instrument :

MSVOA_W

ClientSampleId :

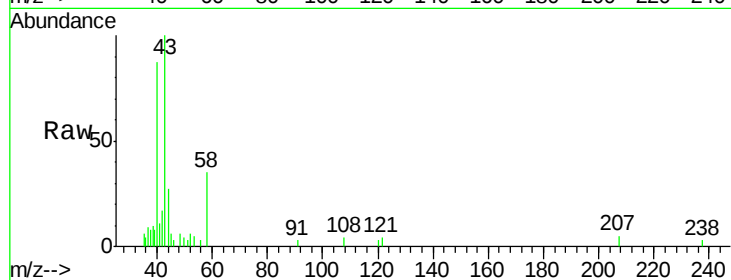
Z2-11RE

Tgt Ion: 43 Resp: 4973

Ion Ratio Lower Upper

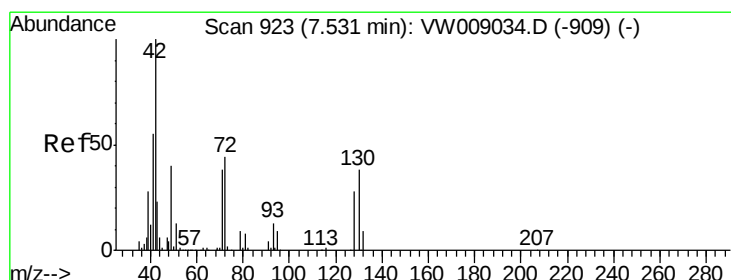
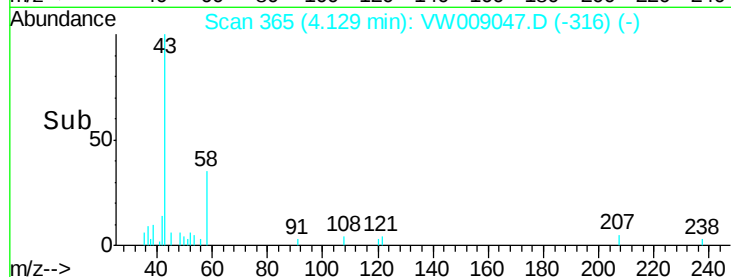
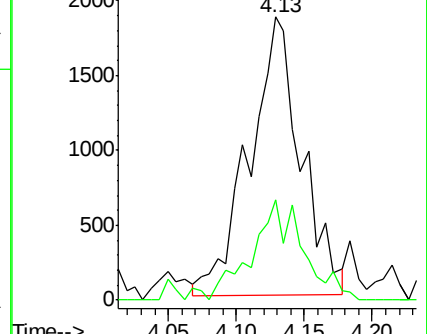
43 100

58 34.2 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#29

Tetrahydrofuran

Concen: 1.618 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW009047.D

Acq: 07 Mar 2019 18:37

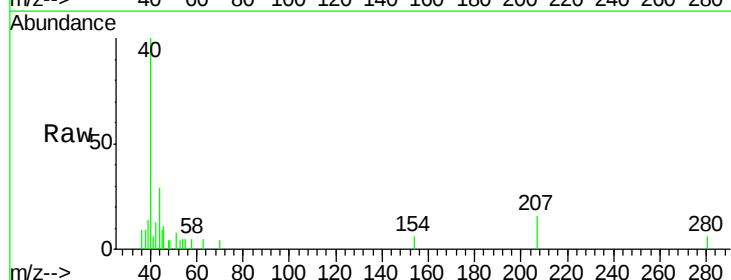
Tgt Ion: 42 Resp: 238

Ion Ratio Lower Upper

42 100

72 0.0 32.2 48.4#

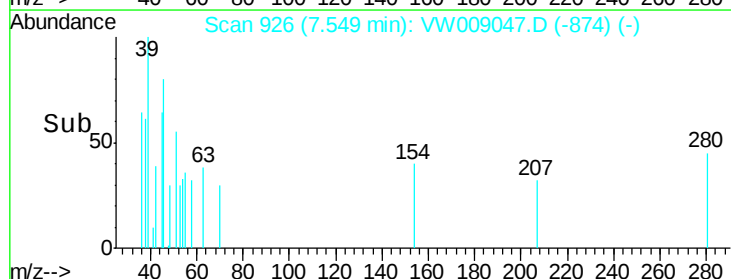
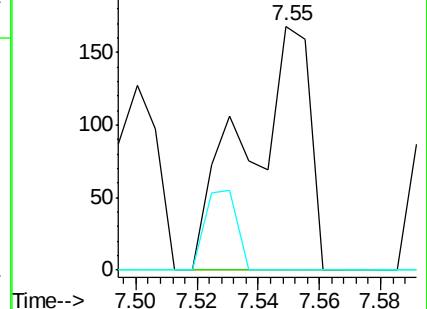
71 16.8 30.7 46.1#

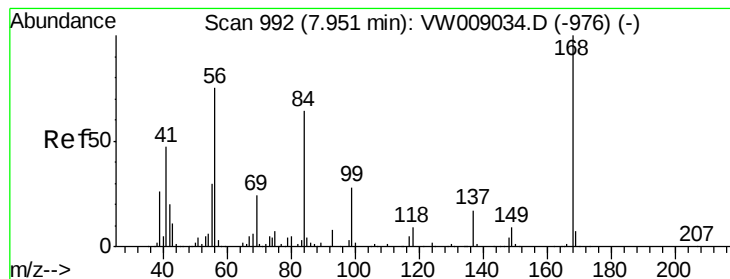


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.331 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009047.D

Acq: 07 Mar 2019 18:37

Instrument :

MSVOA_W

ClientSampleId :

Z2-11RE

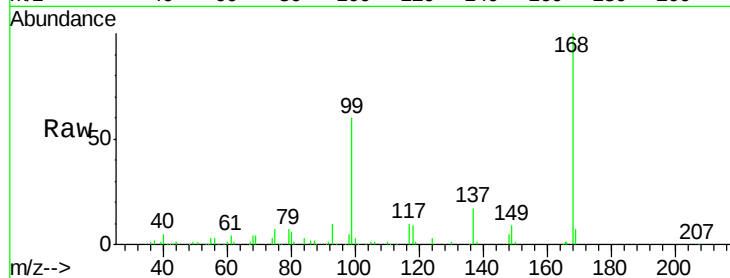
Tgt Ion: 56 Resp: 1858

Ion Ratio Lower Upper

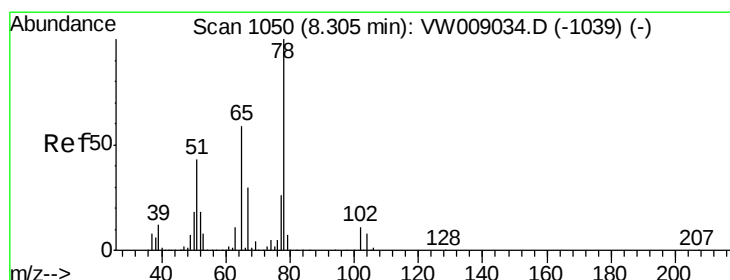
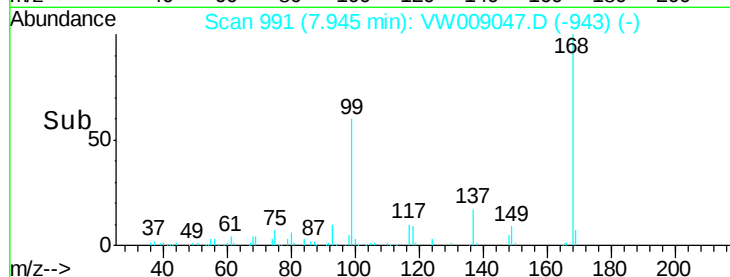
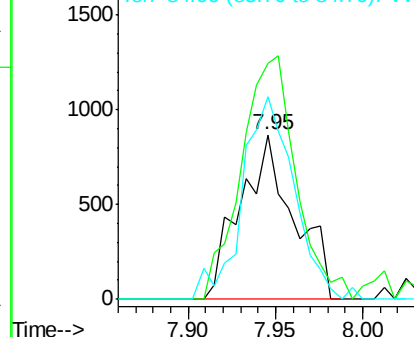
56 100

69 142.8 25.5 38.3#

84 122.8 68.6 103.0#



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: 56.431 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009047.D

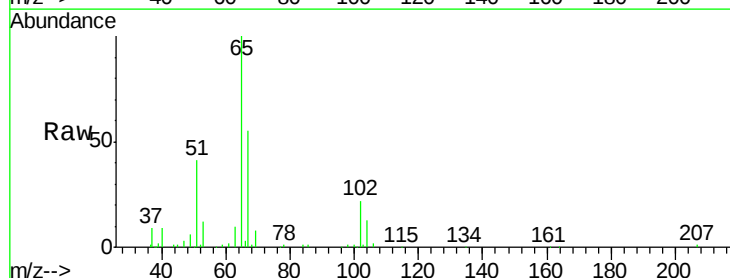
Acq: 07 Mar 2019 18:37

Tgt Ion: 65 Resp: 42249

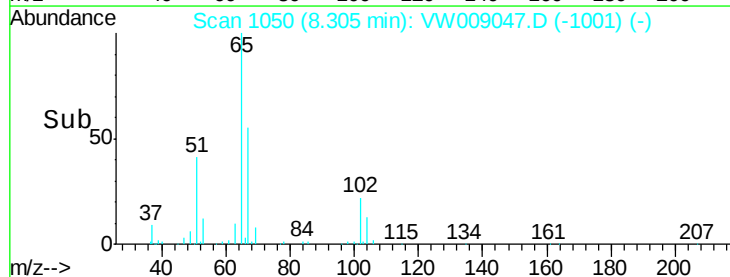
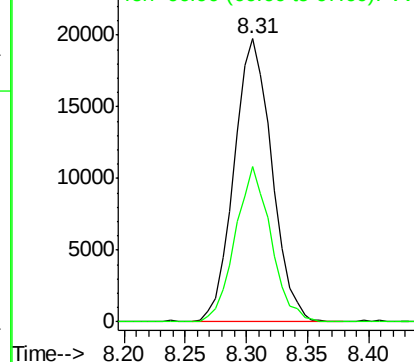
Ion Ratio Lower Upper

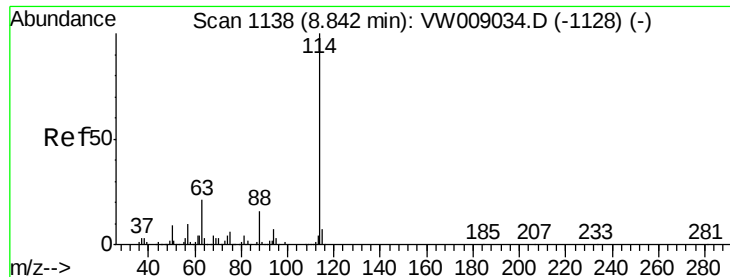
65 100

67 51.9 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

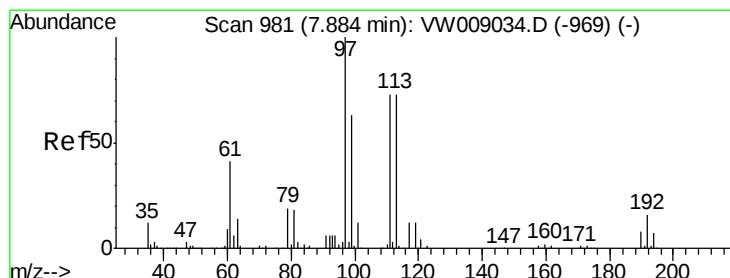
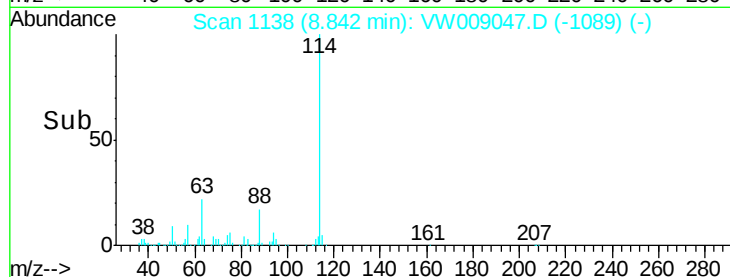
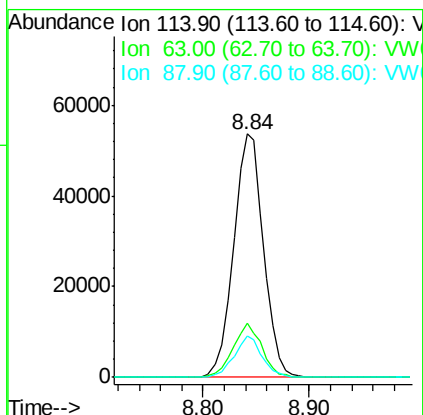
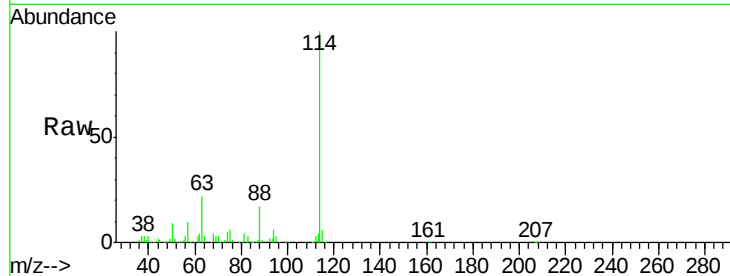




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW009047.D
Acq: 07 Mar 2019 18:37

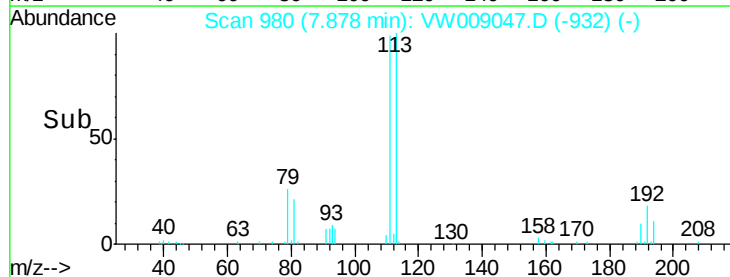
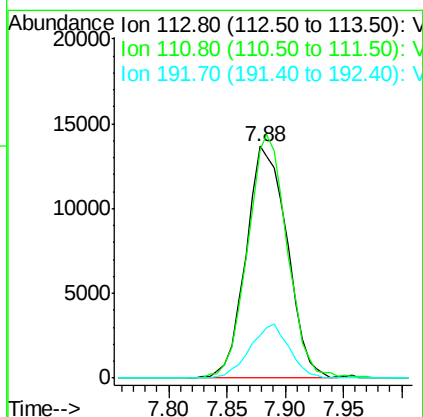
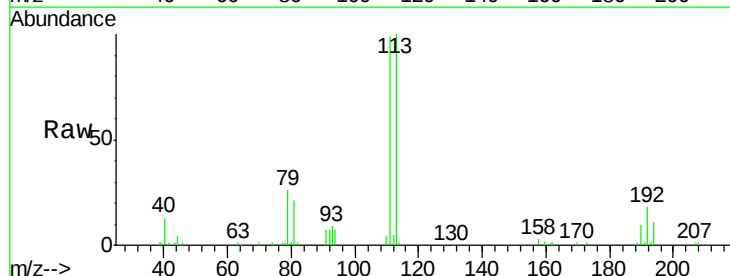
Instrument :
MSVOA_W
ClientSampleId :
Z2-11RE

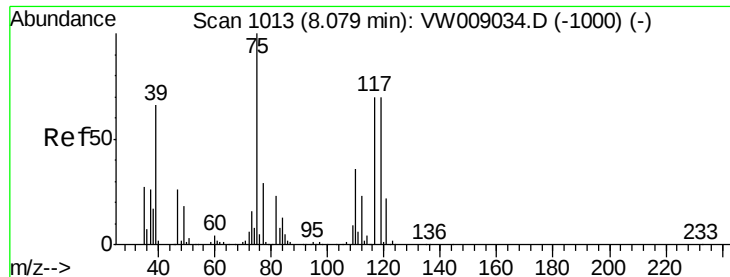
Tgt Ion:114 Resp: 105265
Ion Ratio Lower Upper
114 100
63 22.2 0.0 41.2
88 16.9 0.0 31.2



#35
Dibromofluoromethane
Concen: 52.806 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW009047.D
Acq: 07 Mar 2019 18:37

Tgt Ion:113 Resp: 33468
Ion Ratio Lower Upper
113 100
111 101.4 81.0 121.4
192 22.3 17.1 25.7

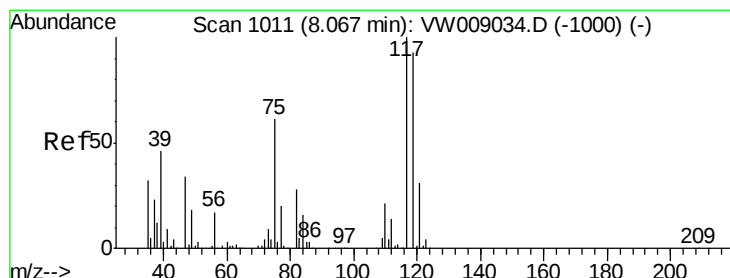
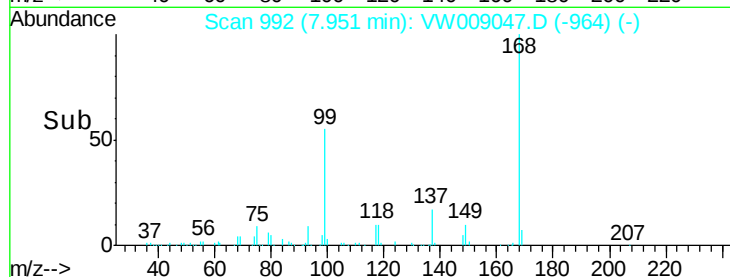
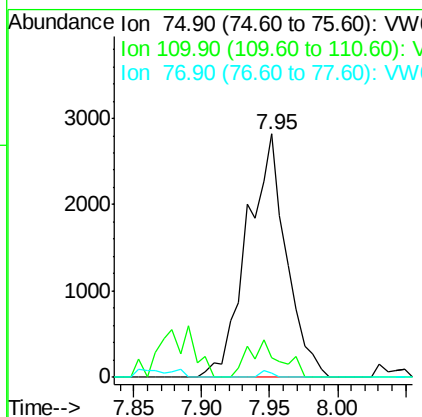
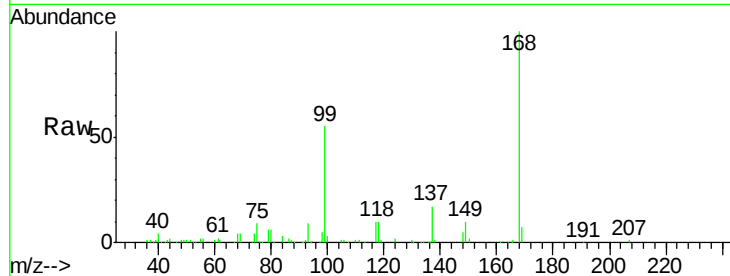




#36
 1,1-Dichloropropene
 Concen: 5.163 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW009047.D
 Acq: 07 Mar 2019 18:37

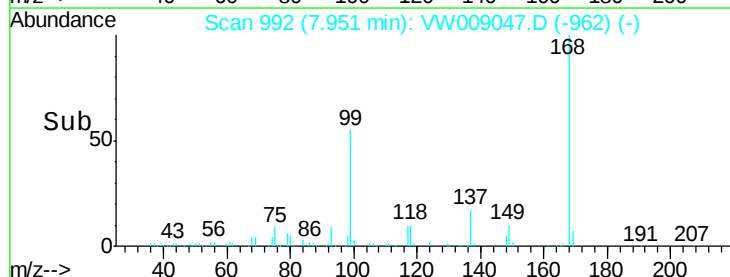
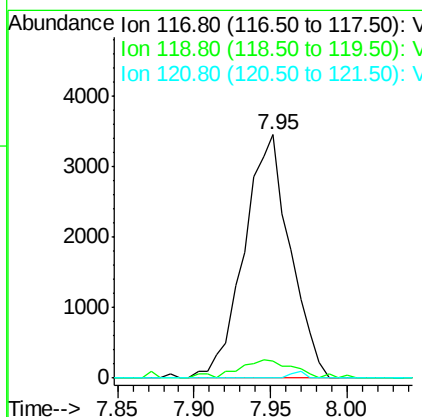
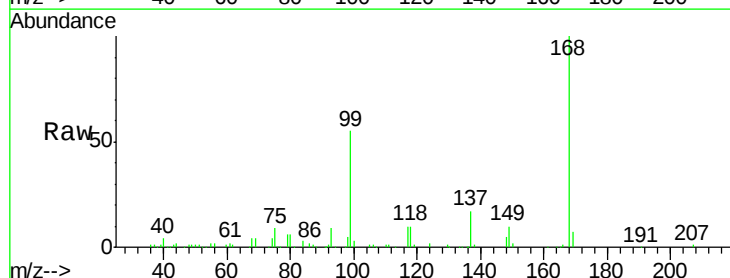
Instrument :
 MSVOA_W
 ClientSampleId :
 Z2-11RE

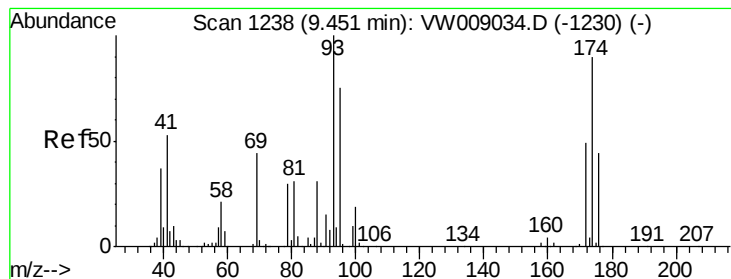
Tgt Ion: 75 Resp: 5683
 Ion Ratio Lower Upper
 75 100
 110 12.4 17.6 52.9#
 77 0.9 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.353 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW009047.D
 Acq: 07 Mar 2019 18:37

Tgt Ion: 117 Resp: 7222
 Ion Ratio Lower Upper
 117 100
 119 6.9 74.6 112.0#
 121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 7.298 ug/l

RT: 9.50 min Scan# 1246

Delta R.T. 0.05 min

Lab File: VW009047.D

Acq: 07 Mar 2019 18:37

Instrument :

MSVOA_W

ClientSampleId :

Z2-11RE

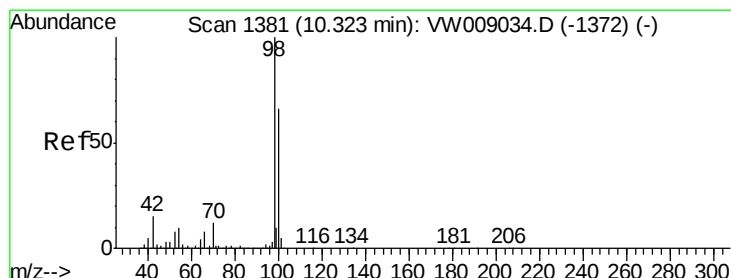
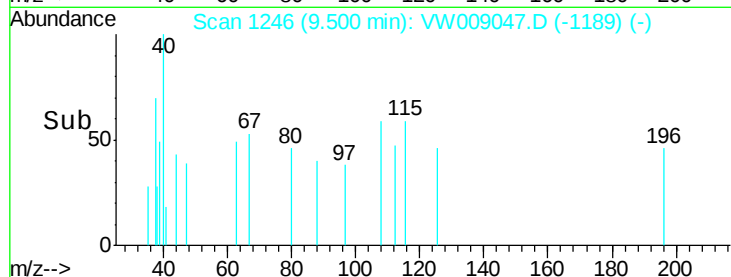
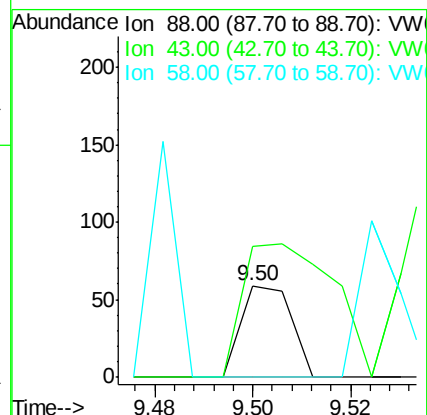
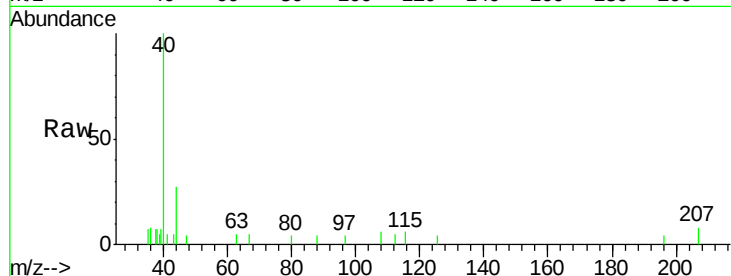
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 261.9 29.0 43.4#

58 0.0 59.2 88.8#



#50

Toluene-d8

Concen: 49.776 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009047.D

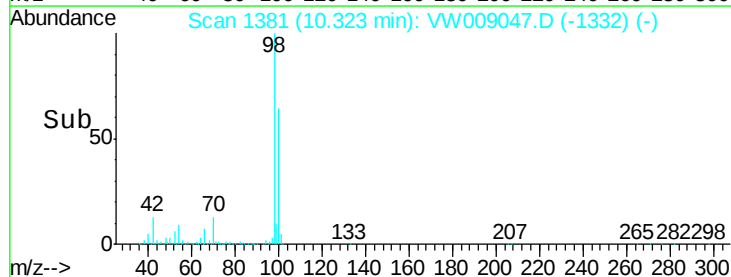
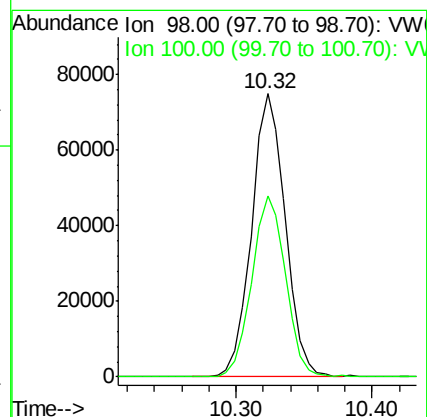
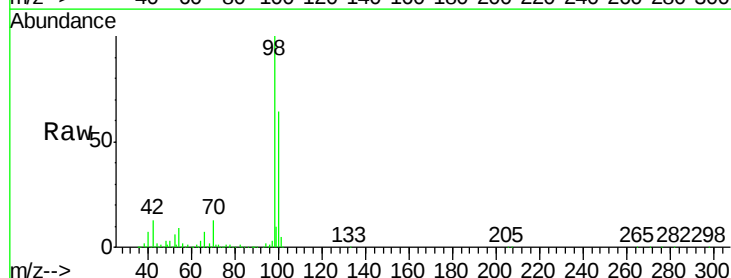
Acq: 07 Mar 2019 18:37

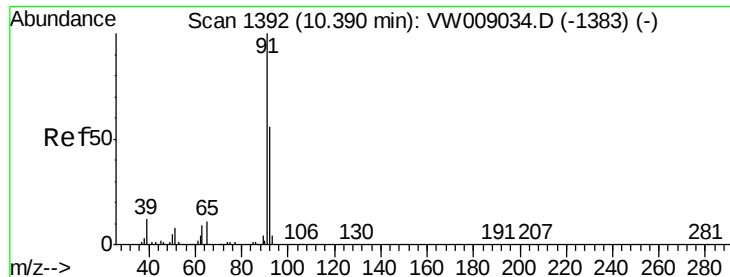
Tgt Ion: 98 Resp: 129571

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9





#52

Toluene

Concen: 2.274 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW009047.D

Acq: 07 Mar 2019 18:37

Instrument :

MSVOA_W

ClientSampleId :

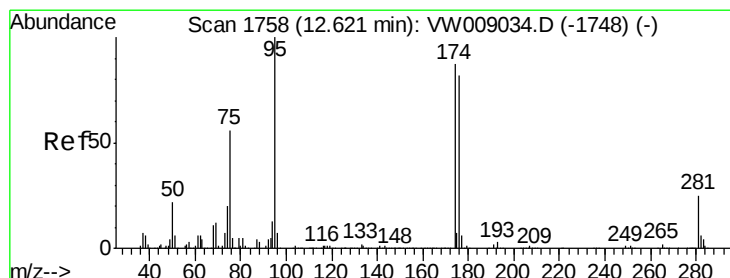
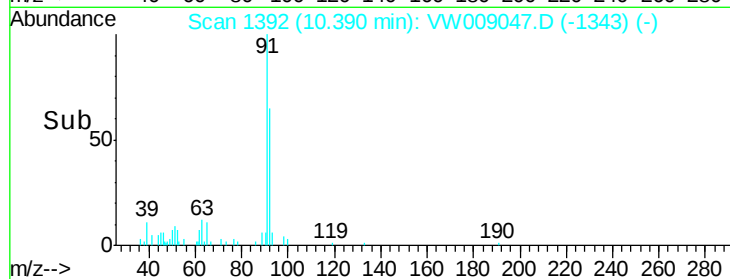
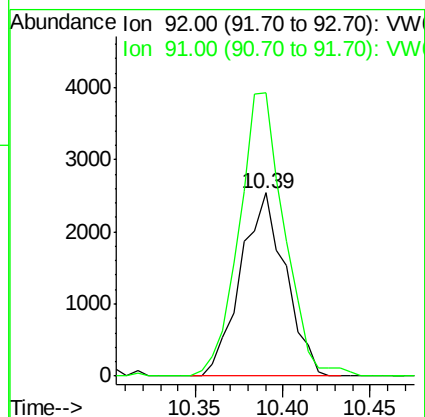
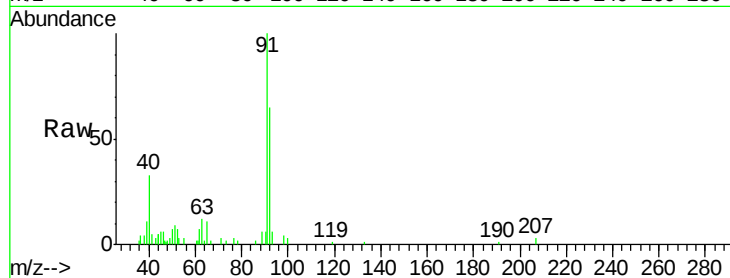
Z2-11RE

Tgt Ion: 92 Resp: 4532

Ion Ratio Lower Upper

92 100

91 156.1 139.9 209.9



#62

4-Bromofluorobenzene

Concen: 38.455 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009047.D

Acq: 07 Mar 2019 18:37

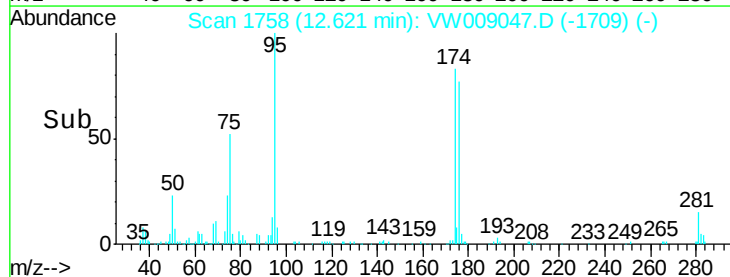
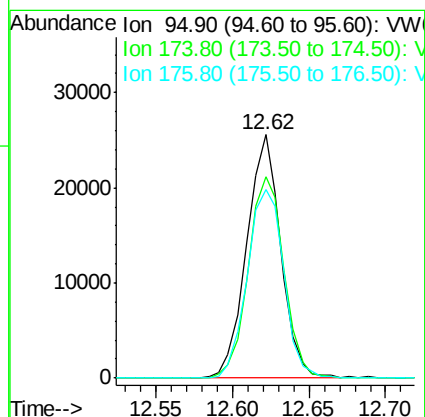
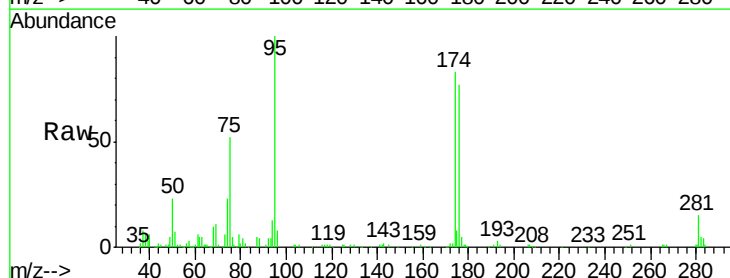
Tgt Ion: 95 Resp: 39406

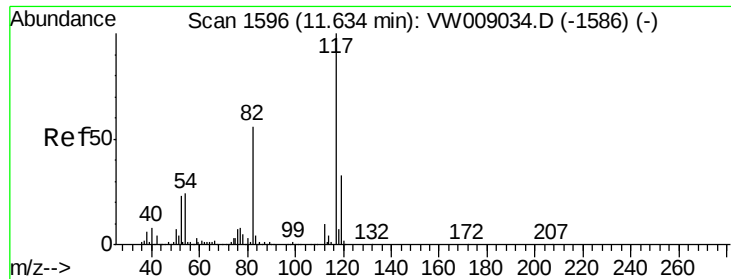
Ion Ratio Lower Upper

95 100

174 86.9 0.0 167.0

176 83.8 0.0 159.4

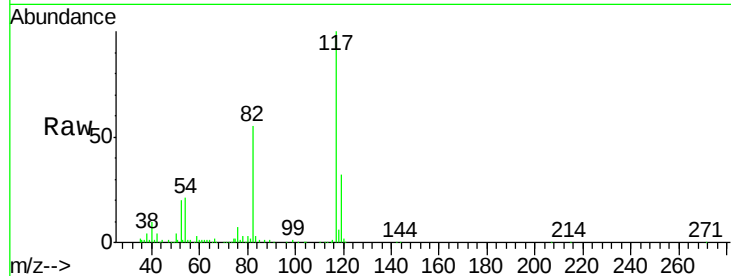




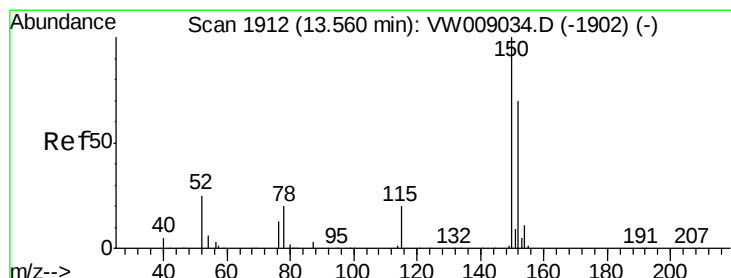
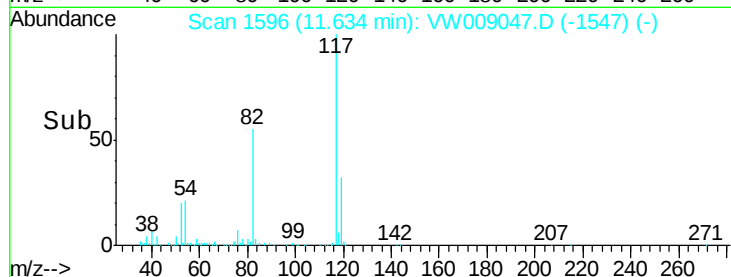
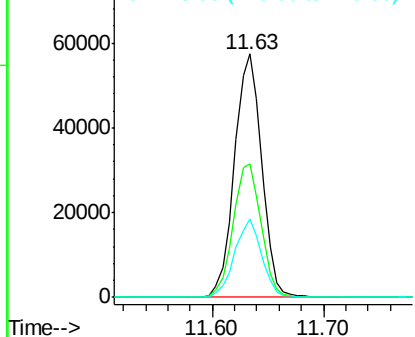
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009047.D
Acq: 07 Mar 2019 18:37

Instrument :
MSVOA_W
ClientSampleId :
Z2-11RE

Tgt Ion:117 Resp: 97240
Ion Ratio Lower Upper
117 100
82 54.7 45.0 67.6
119 32.3 26.6 39.8

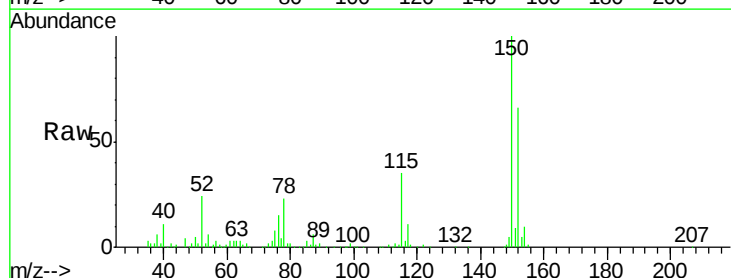


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

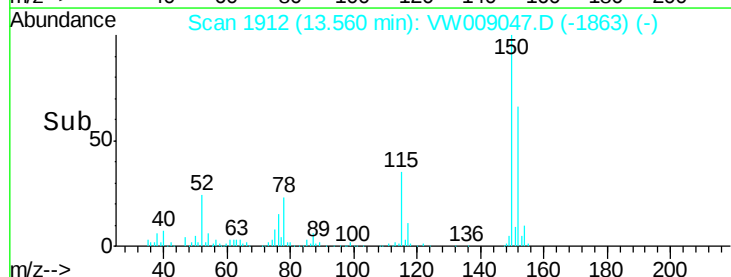
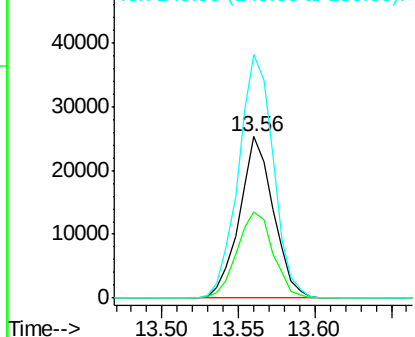


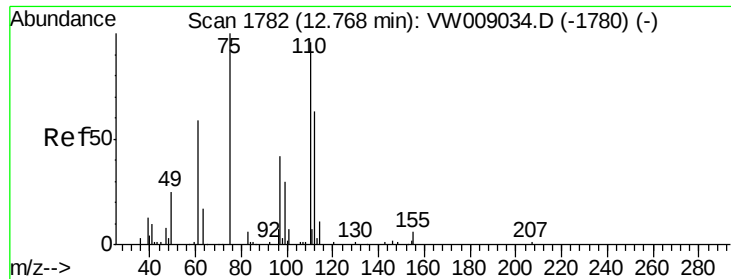
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009047.D
Acq: 07 Mar 2019 18:37

Tgt Ion:152 Resp: 39000
Ion Ratio Lower Upper
152 100
115 56.1 28.9 86.7
150 154.6 0.0 349.2



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: 68.974 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009047.D

Acq: 07 Mar 2019 18:37

Instrument :

MSVOA_W

ClientSampleId :

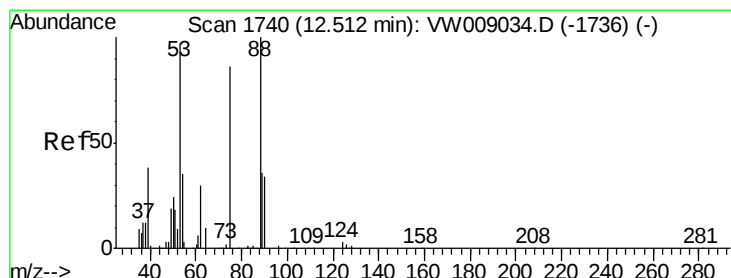
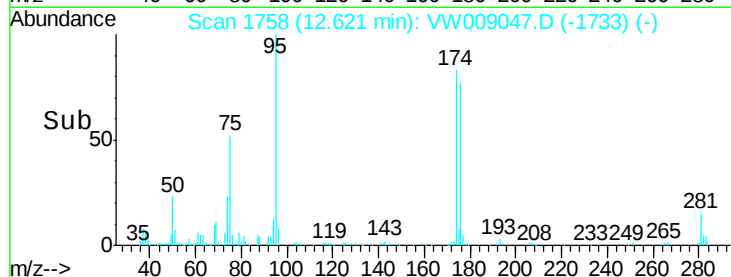
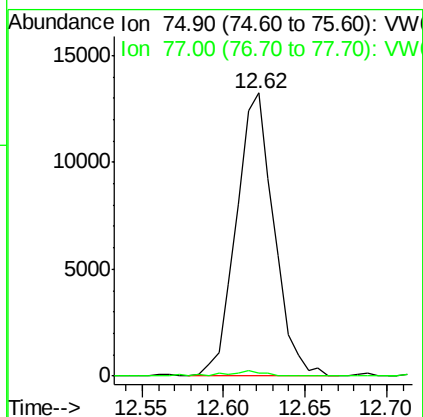
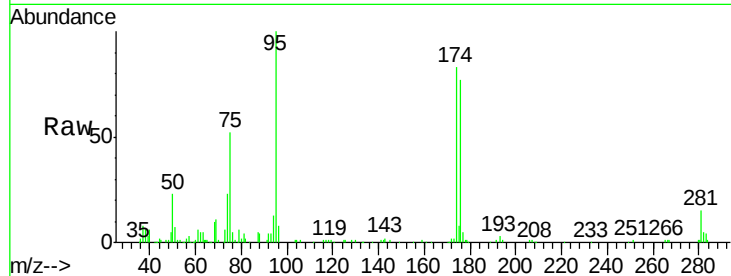
Z2-11RE

Tgt Ion: 75 Resp: 21253

Ion Ratio Lower Upper

75 100

77 1.8 186.7 560.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 154.276 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009047.D

Acq: 07 Mar 2019 18:37

Tgt Ion: 75 Resp: 21253

Ion Ratio Lower Upper

75 100

53 0.9 90.5 135.7#

89 0.0 37.5 56.3#

