

Data File : VW008943.D
Acq On : 02 Mar 2019 02:25
Operator : SY/VA
Sample : K1675-41
Misc : 4.82G/5ML/MSVOA_W/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
Z-3-14-B

Quant Time: Mar 02 05:12:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	317657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	488403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	435211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	203021	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	182161	61.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.28%	
35) Dibromofluoromethane	7.88	113	153648	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	10.32	98	586775	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.62	95	201597	45.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.96%	

Target Compounds

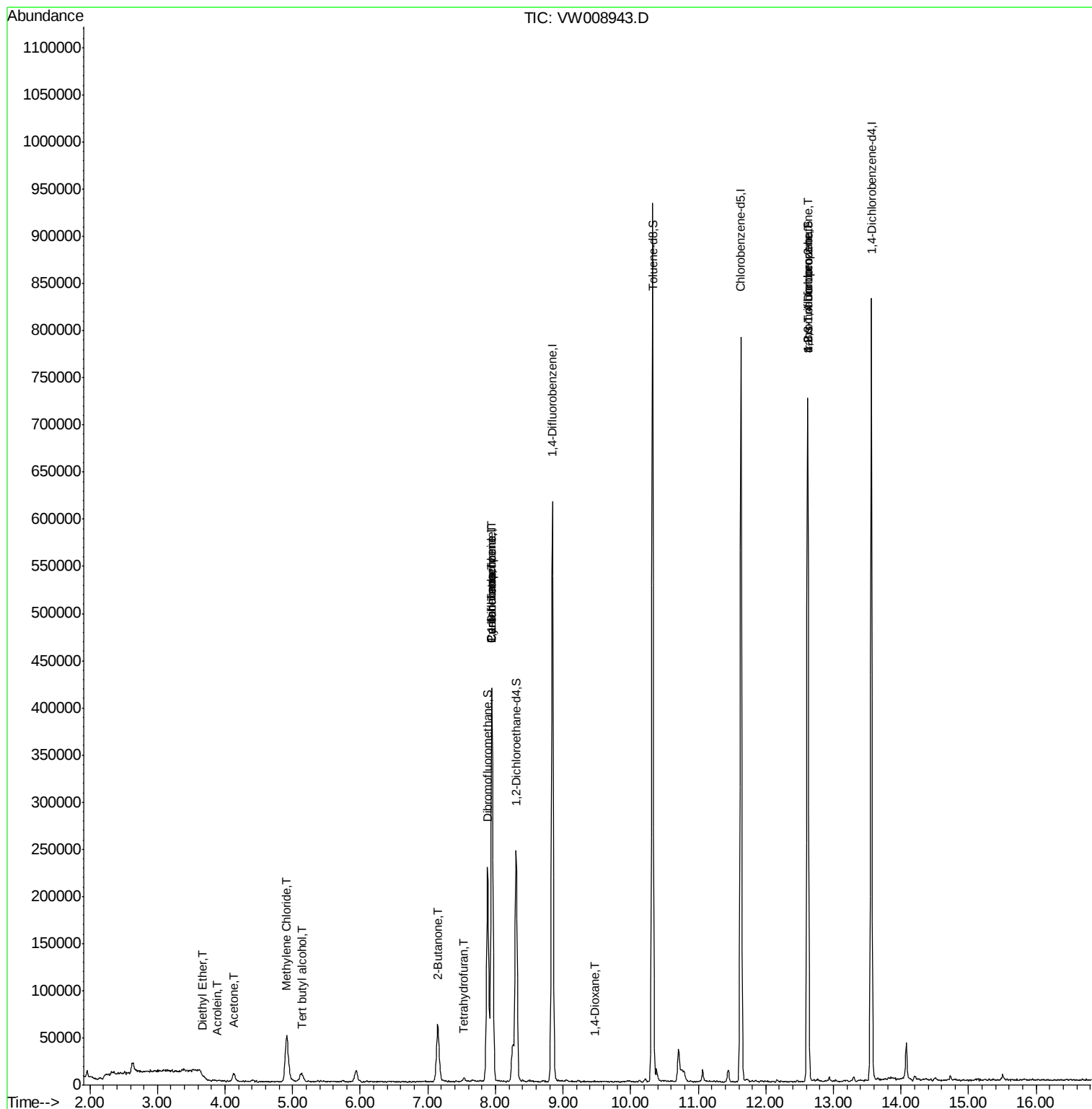
						Qvalue
8) Diethyl Ether	3.68	74	1930	1.175	ug/l	67
11) Tert butyl alcohol	5.13	59	8556	32.258	ug/l #	74
13) Acrolein	3.88	56	72	20.017	ug/l #	67
16) Acetone	4.13	43	16095	23.306	ug/l	96
20) Methylene Chloride	4.92	84	37990	6.748	ug/l	93
25) 2-Butanone	7.15	43	3717	3.850	ug/l #	76
29) Tetrahydrofuran	7.54	42	2111	3.431	ug/l #	83
31) Cyclohexane	7.95	56	7926	1.411	ug/l #	47
36) 1,1-Dichloropropene	7.95	75	25521	5.368	ug/l #	51
38) Carbon Tetrachloride	7.95	117	30037	5.991	ug/l #	16
49) 1,4-Dioxane	9.46	88	63	2.205	ug/l #	51
76) 1,2,3-Trichloropropane	12.62	75	107225	63.969	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	107225	155.513	ug/l #	6

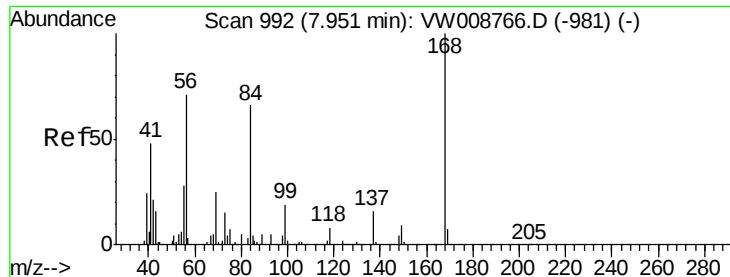
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008943.D

Acq: 02 Mar 2019 02:25

Instrument :

MSVOA_W

ClientSampleId :

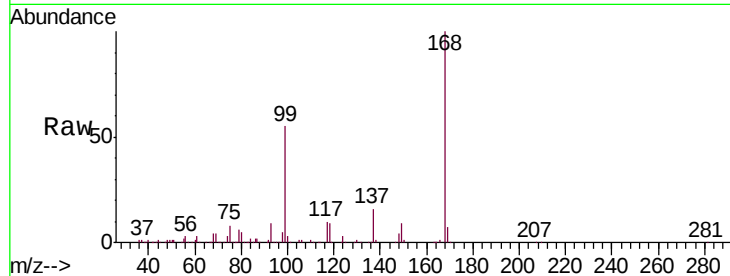
Z-3-14-B

Tgt Ion:168 Resp: 317657

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

7.95

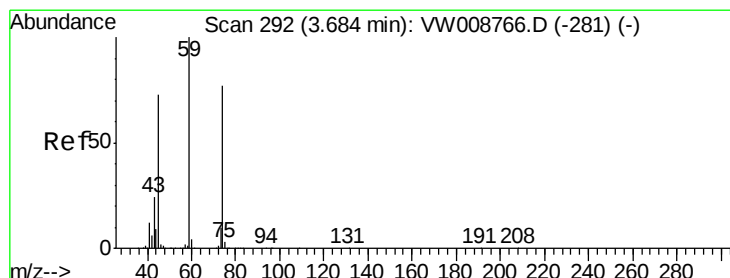
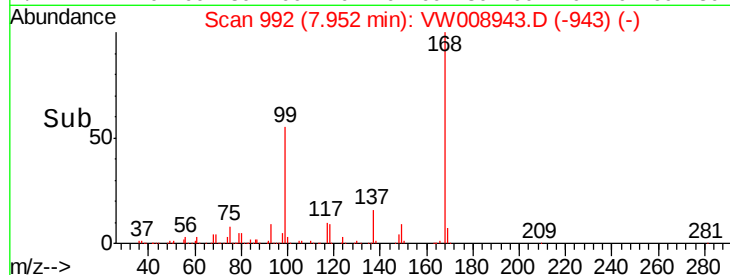
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.175 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW008943.D

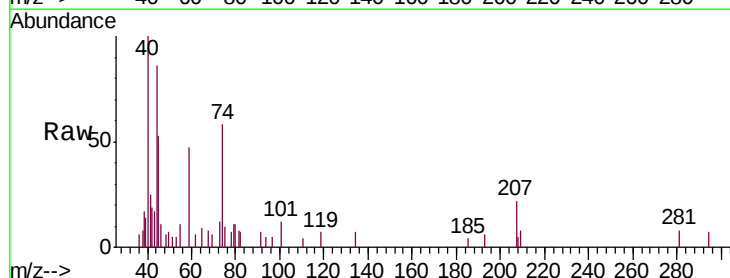
Acq: 02 Mar 2019 02:25

Tgt Ion: 74 Resp: 1930

Ion Ratio Lower Upper

74 100

45 133.0 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

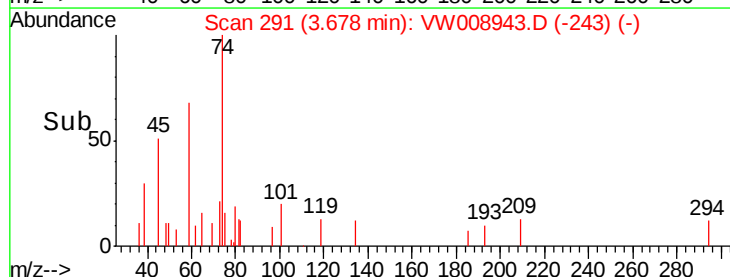
600

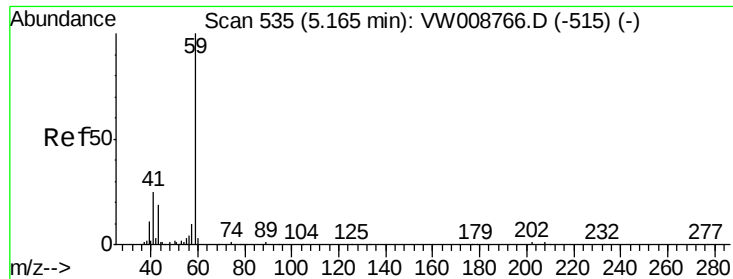
400

200

0

Time--> 3.60 3.65 3.70 3.75

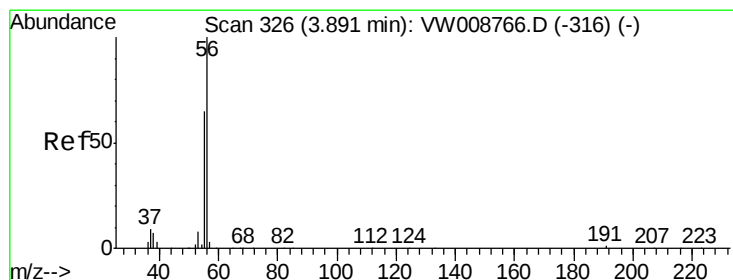
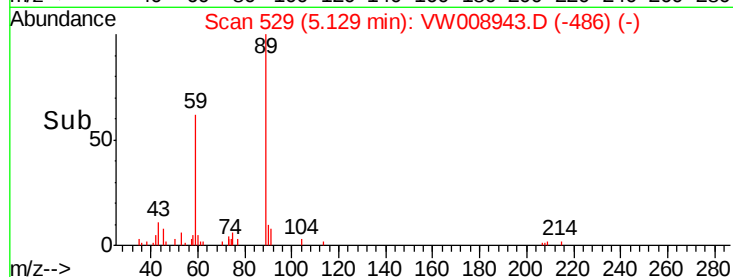
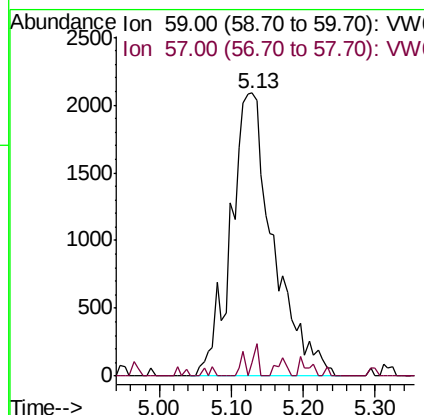
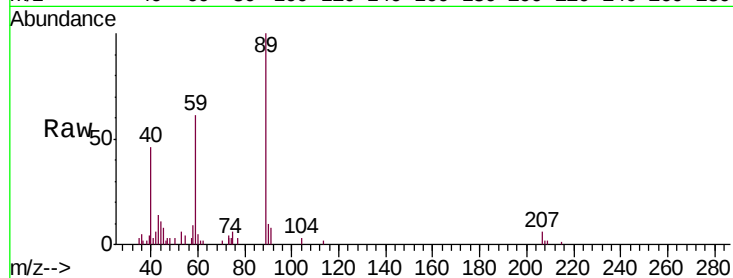




#11
Tert butyl alcohol
Concen: 32.258 ug/l
RT: 5.13 min Scan# 529
Delta R.T. -0.04 min
Lab File: VW008943.D
Acq: 02 Mar 2019 02:25

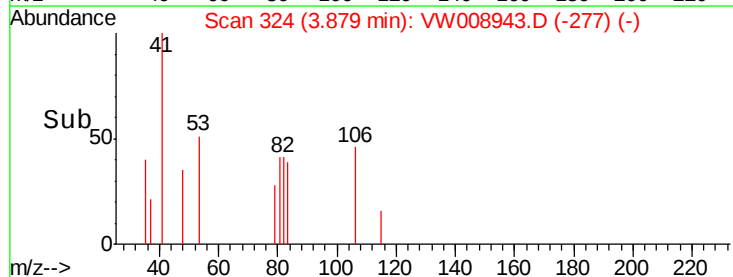
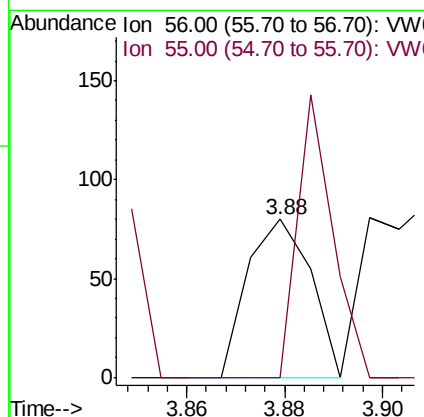
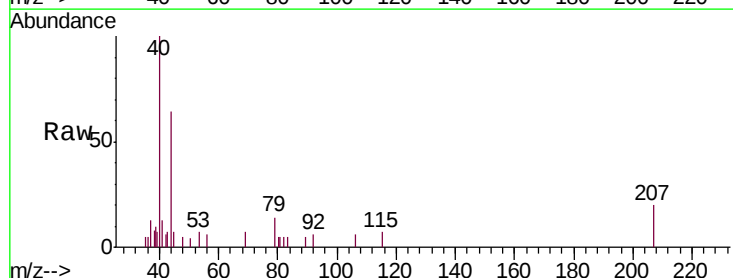
Instrument :
MSVOA_W
ClientSampleId :
Z-3-14-B

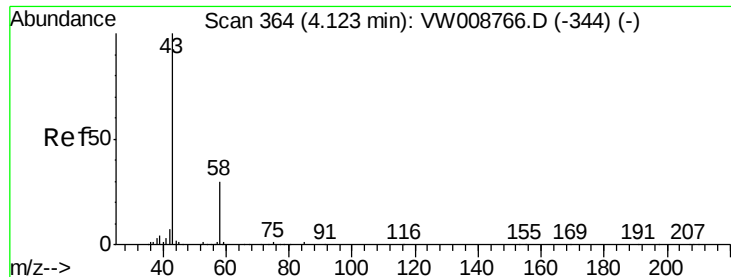
Tgt Ion: 59 Resp: 8556
Ion Ratio Lower Upper
59 100
57 1.4 9.3 13.9#



#13
Acrolein
Concen: 20.017 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW008943.D
Acq: 02 Mar 2019 02:25

Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 98.6 56.9 85.3#

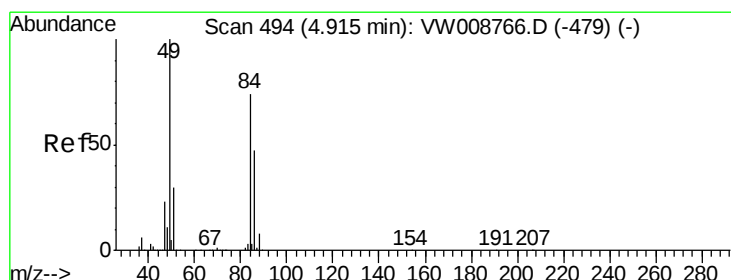
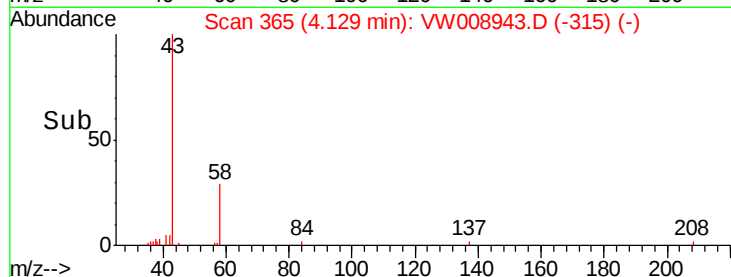
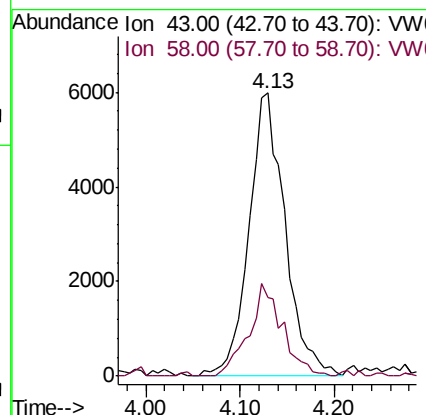
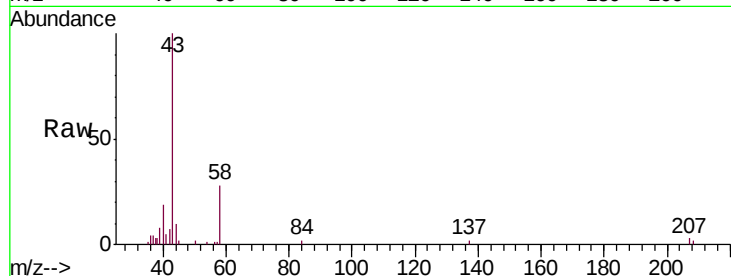




#16
Acetone
Concen: 23.306 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW008943.D
Acq: 02 Mar 2019 02:25

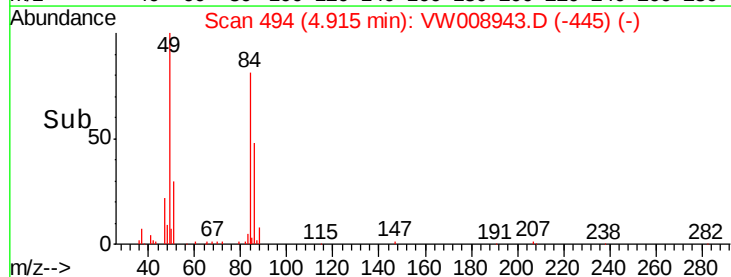
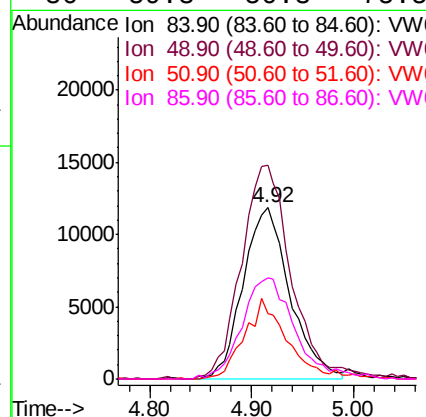
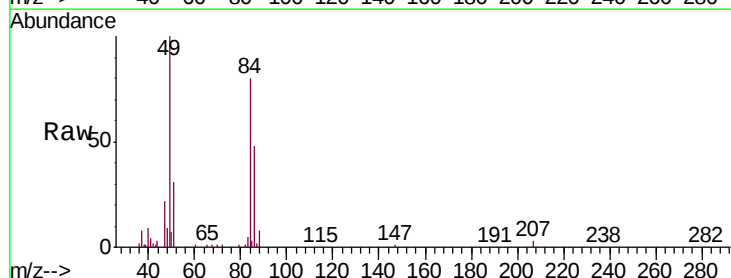
Instrument :
MSVOA_W
ClientSampleId :
Z-3-14-B

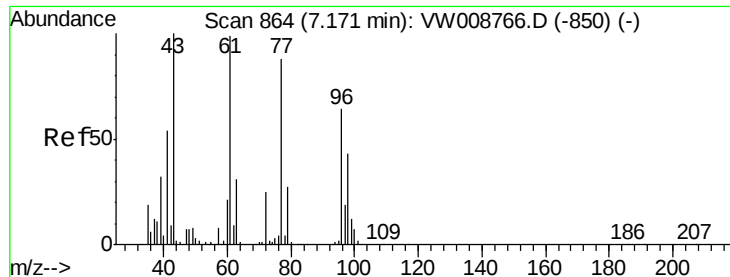
Tgt Ion: 43 Resp: 16095
Ion Ratio Lower Upper
43 100
58 27.8 23.8 35.6



#20
Methylene Chloride
Concen: 6.748 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008943.D
Acq: 02 Mar 2019 02:25

Tgt Ion: 84 Resp: 37990
Ion Ratio Lower Upper
84 100
49 124.8 108.2 162.2
51 38.1 32.7 49.1
86 59.3 50.3 75.5





#25

2-Butanone

Concen: 3.850 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008943.D

Acq: 02 Mar 2019 02:25

Instrument :

MSVOA_W

ClientSampleId :

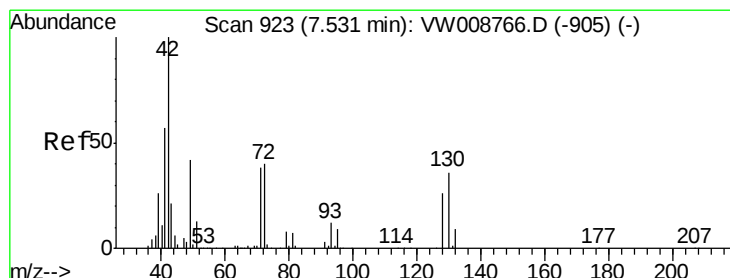
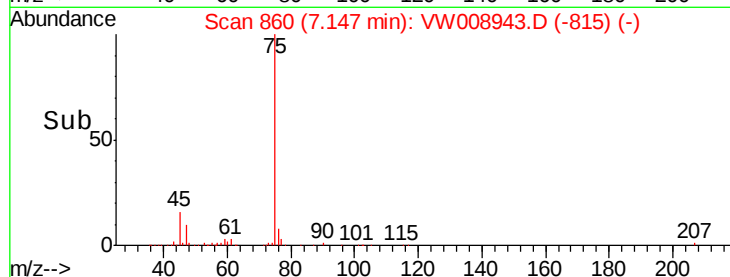
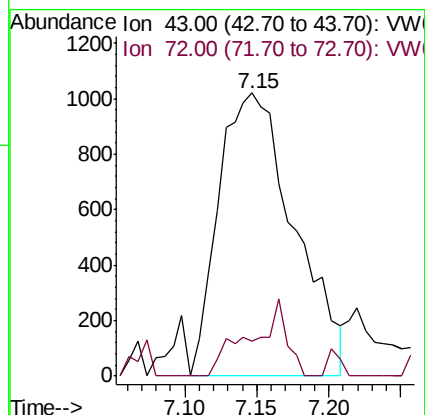
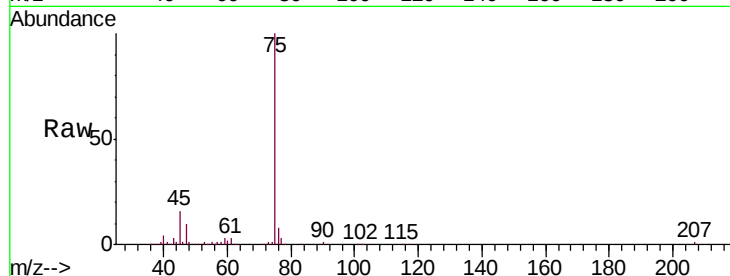
Z-3-14-B

Tgt Ion: 43 Resp: 3717

Ion Ratio Lower Upper

43 100

72 12.5 19.7 29.5#



#29

Tetrahydrofuran

Concen: 3.431 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008943.D

Acq: 02 Mar 2019 02:25

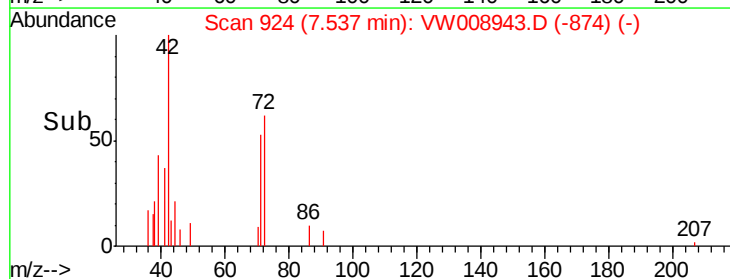
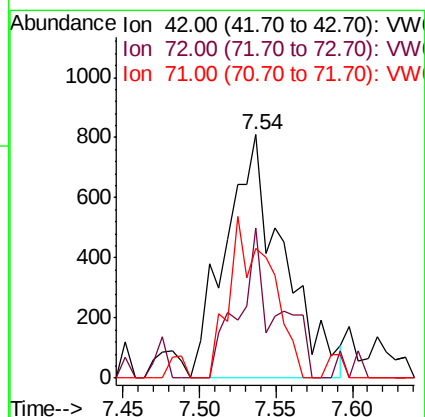
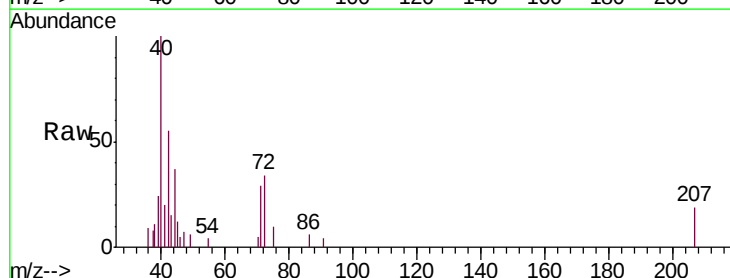
Tgt Ion: 42 Resp: 2111

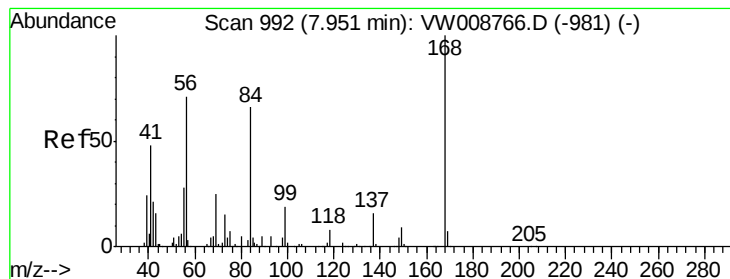
Ion Ratio Lower Upper

42 100

72 28.8 32.7 49.1#

71 47.9 31.3 46.9#





#31

Cyclohexane

Concen: 1.411 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008943.D

Acq: 02 Mar 2019 02:25

Instrument :

MSVOA_W

ClientSampled :

Z-3-14-B

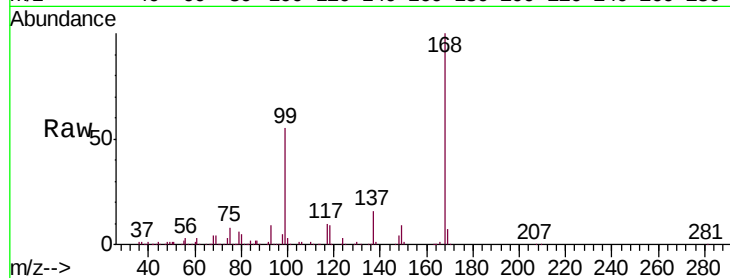
Tgt Ion: 56 Resp: 7926

Ion Ratio Lower Upper

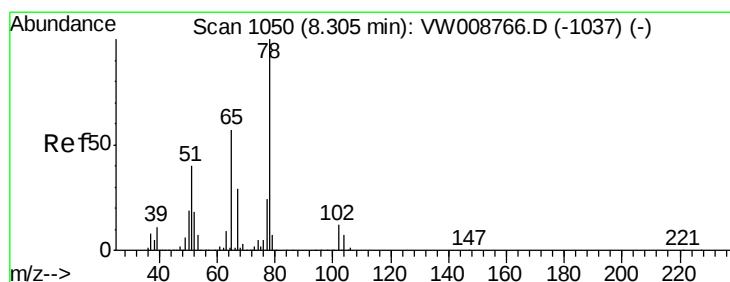
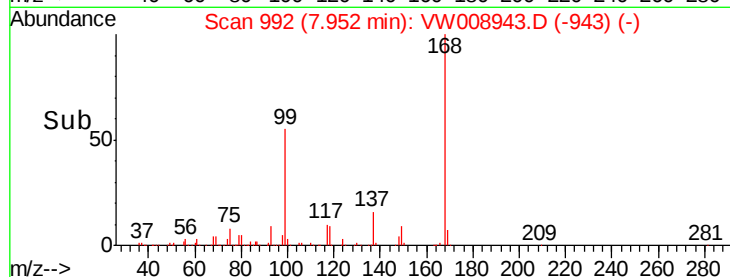
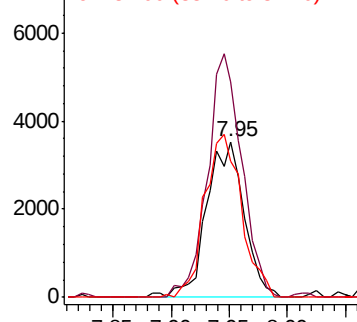
56 100

69 138.6 28.2 42.4#

84 87.7 74.1 111.1



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: 61.141 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008943.D

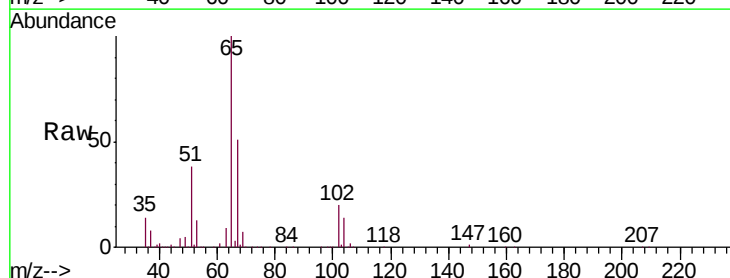
Acq: 02 Mar 2019 02:25

Tgt Ion: 65 Resp: 182161

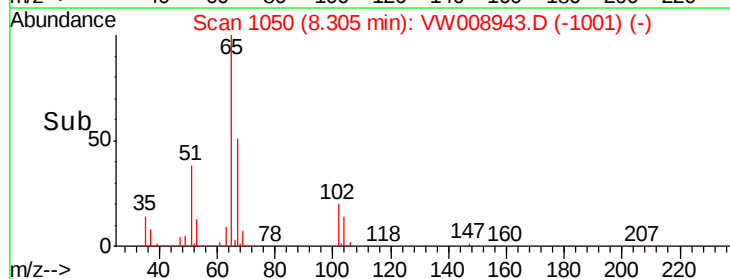
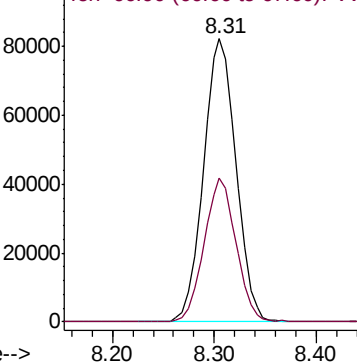
Ion Ratio Lower Upper

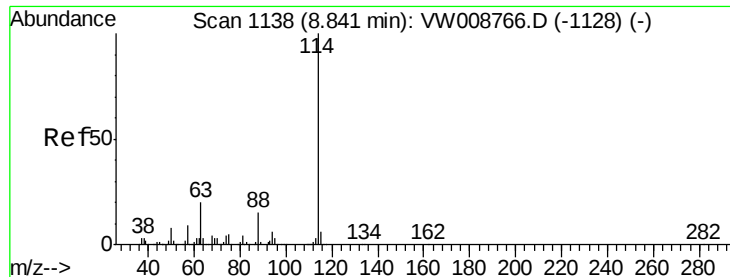
65 100

67 50.2 0.0 101.4



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

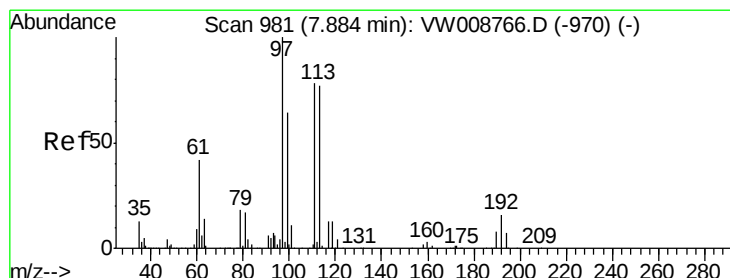
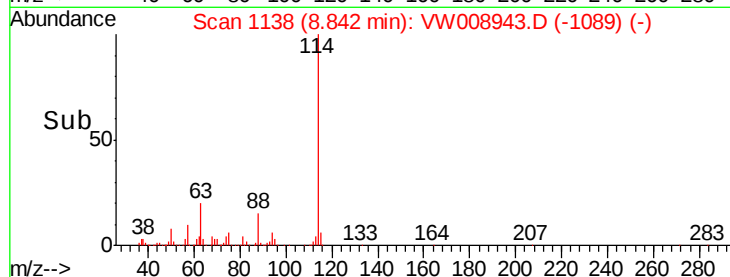
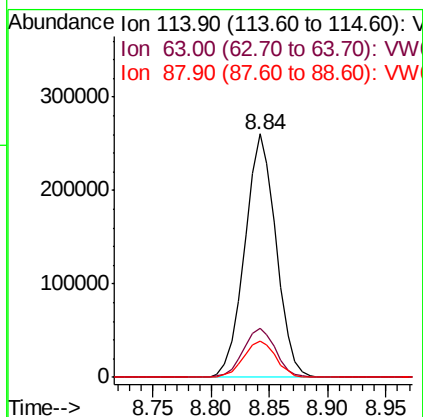
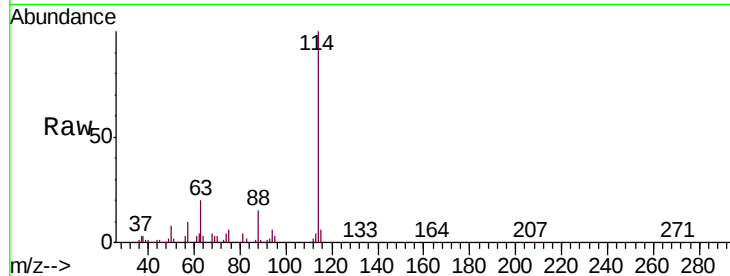




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008943.D
 Acq: 02 Mar 2019 02:25

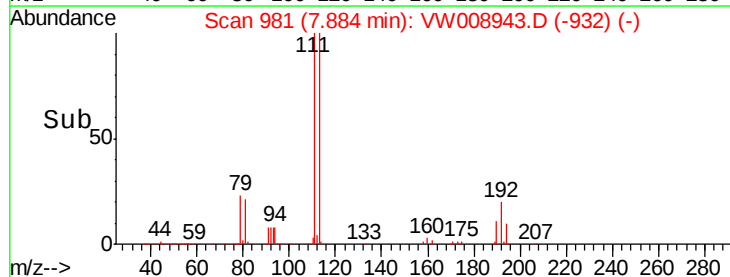
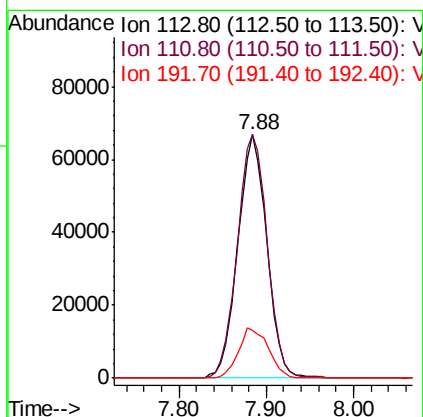
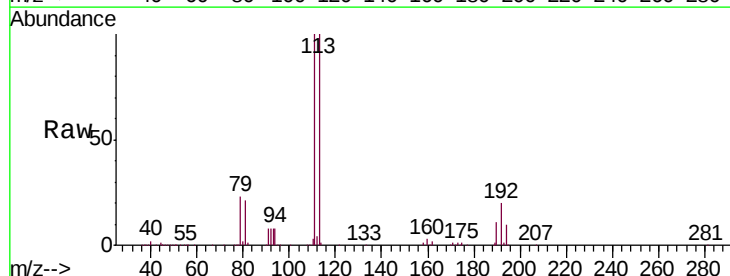
Instrument :
 MSVOA_W
 ClientSampleId :
 Z-3-14-B

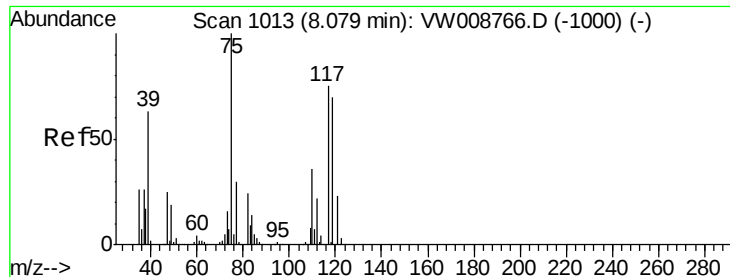
Tgt Ion:114 Resp: 488403
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 14.7 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 52.396 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008943.D
 Acq: 02 Mar 2019 02:25

Tgt Ion:113 Resp: 153648
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.9 122.9
 192 21.2 17.1 25.7





#36

1,1-Dichloropropene

Concen: 5.368 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW008943.D

Acq: 02 Mar 2019 02:25

Instrument :

MSVOA_W

ClientSampleId :

Z-3-14-B

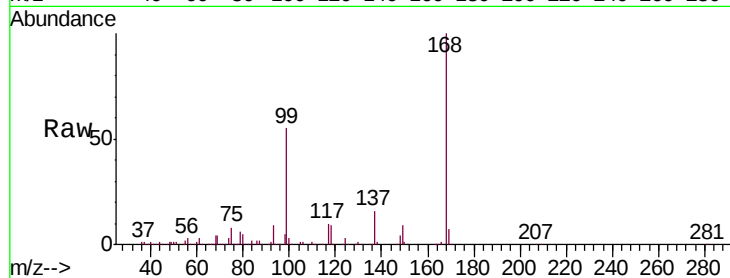
Tgt Ion: 75 Resp: 25521

Ion Ratio Lower Upper

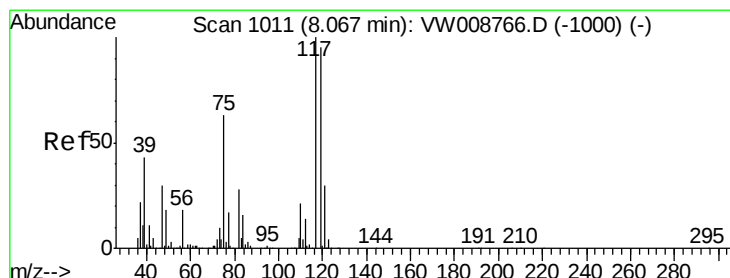
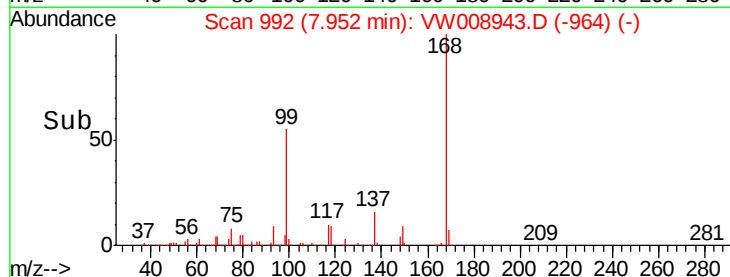
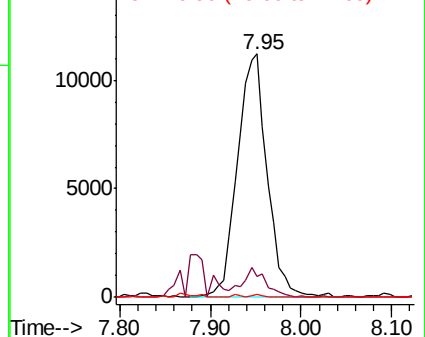
75 100

110 9.4 17.5 52.6#

77 0.4 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 5.991 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008943.D

Acq: 02 Mar 2019 02:25

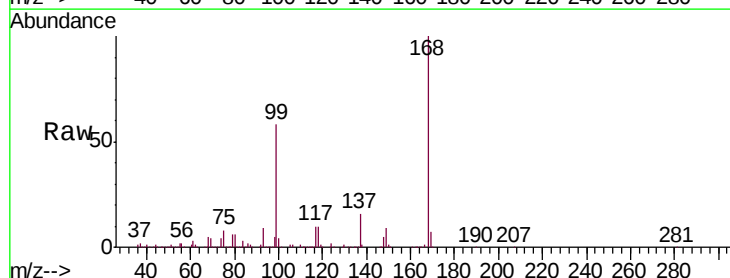
Tgt Ion: 117 Resp: 30037

Ion Ratio Lower Upper

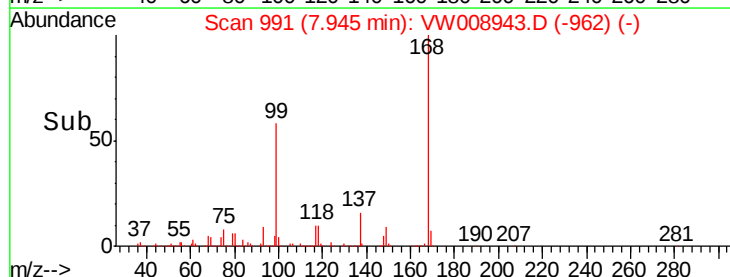
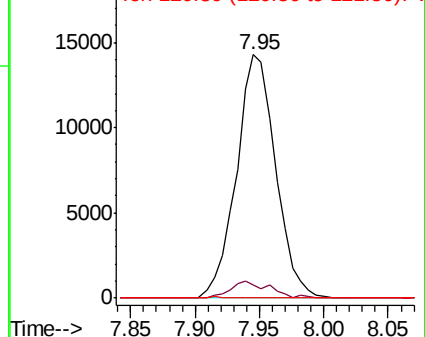
117 100

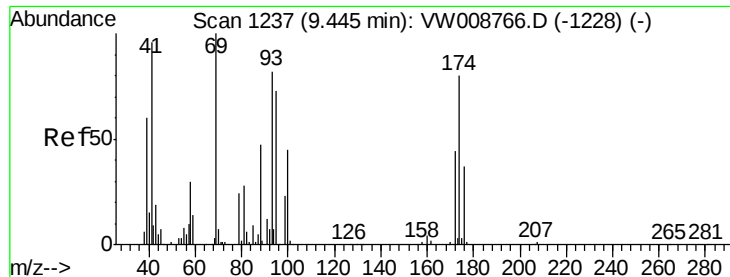
119 5.2 76.1 114.1#

121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 2.205 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW008943.D

Acq: 02 Mar 2019 02:25

Instrument :

MSVOA_W

ClientSampled :

Z-3-14-B

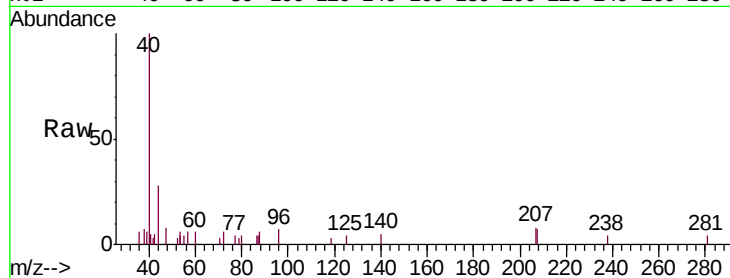
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

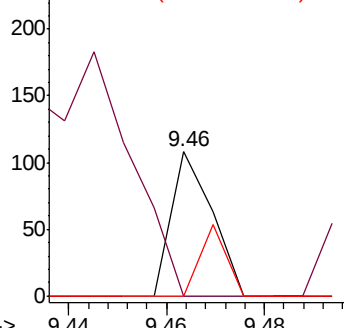
58 31.7 52.0 78.0#



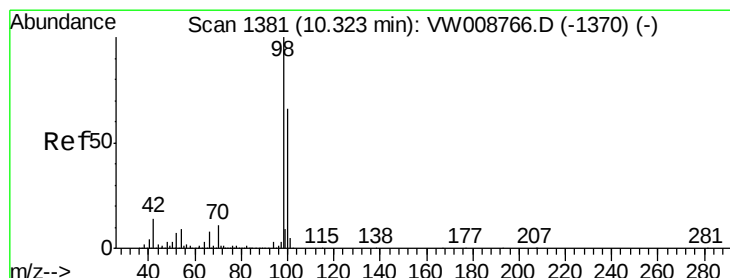
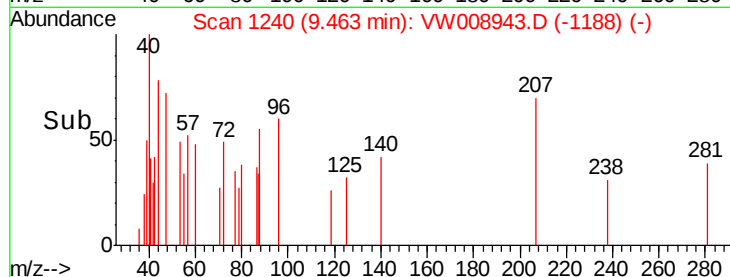
Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#50

Toluene-d8

Concen: 51.835 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008943.D

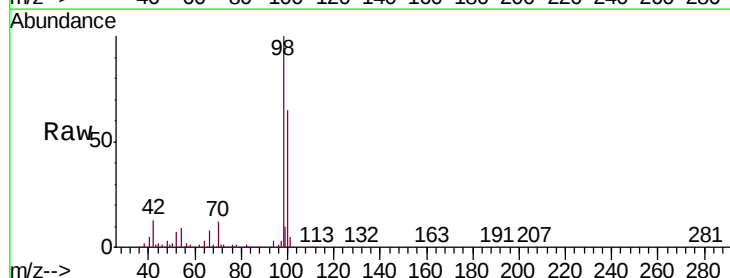
Acq: 02 Mar 2019 02:25

Tgt Ion: 98 Resp: 586775

Ion Ratio Lower Upper

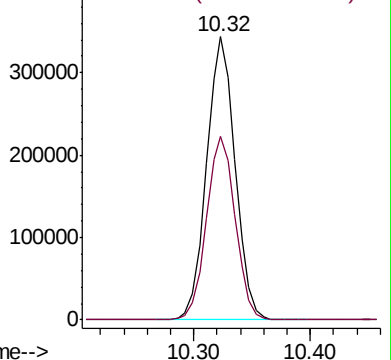
98 100

100 65.5 52.4 78.6

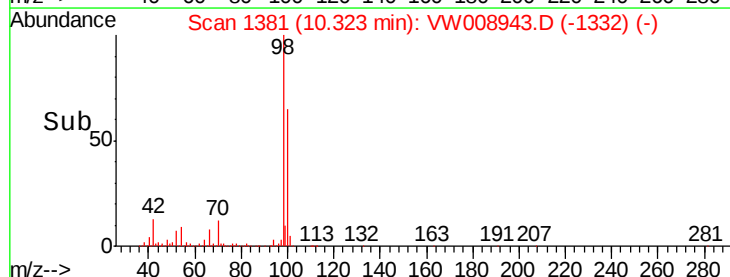


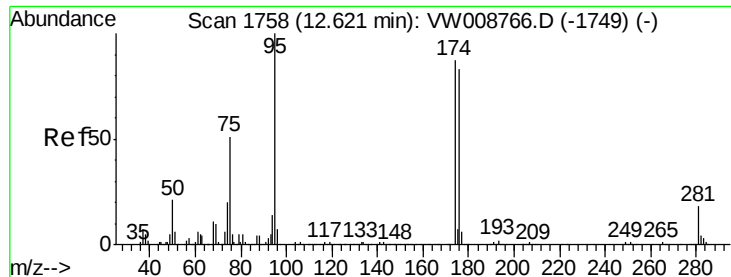
Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->





#62

4-Bromofluorobenzene

Concen: 45.484 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008943.D

Acq: 02 Mar 2019 02:25

Instrument :

MSVOA_W

ClientSampleId :

Z-3-14-B

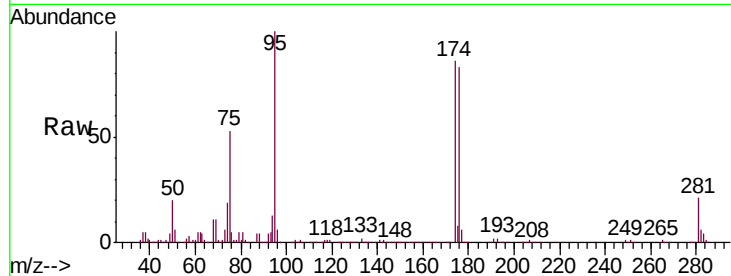
Tgt Ion: 95 Resp: 201597

Ion Ratio Lower Upper

95 100

174 85.2 0.0 169.2

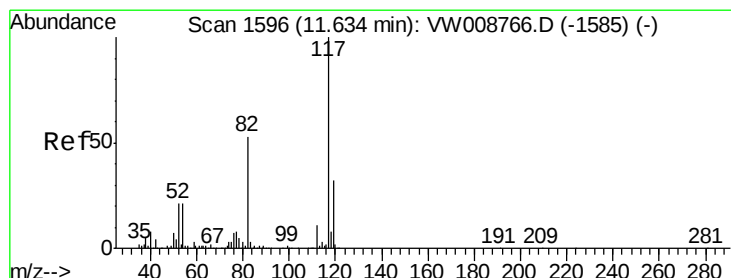
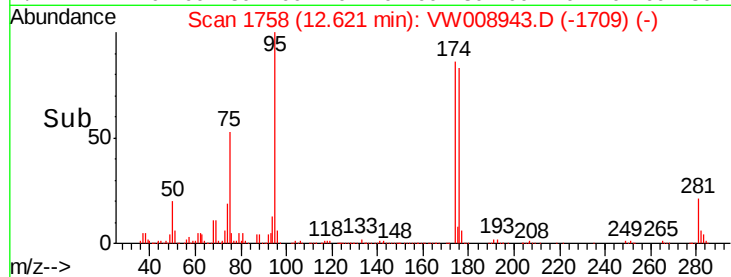
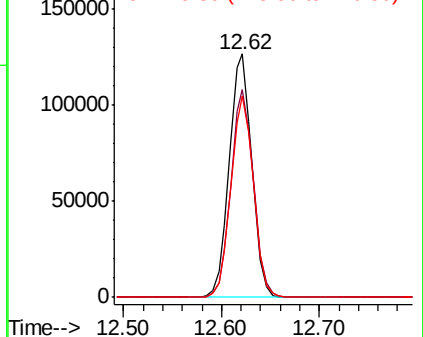
176 82.5 0.0 163.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008943.D

Acq: 02 Mar 2019 02:25

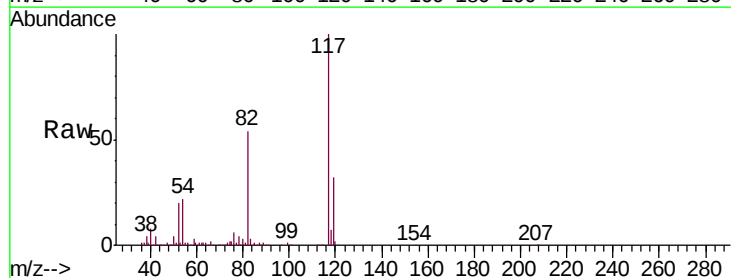
Tgt Ion: 117 Resp: 435211

Ion Ratio Lower Upper

117 100

82 54.3 42.2 63.4

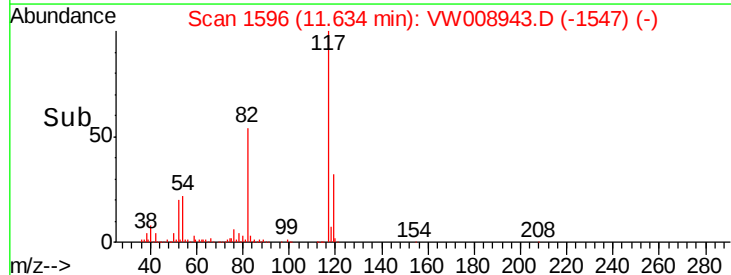
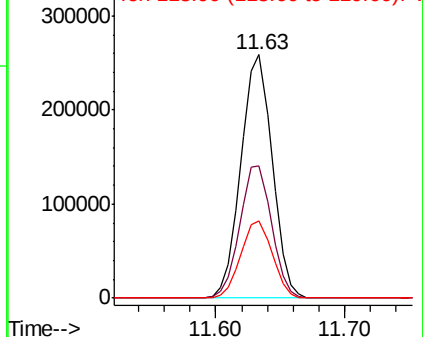
119 31.6 25.9 38.9

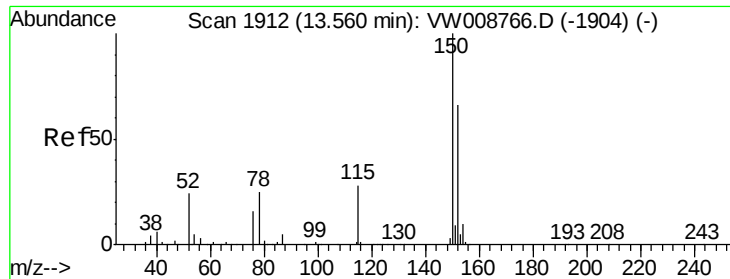


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008943.D

Acq: 02 Mar 2019 02:25

Instrument :

MSVOA_W

ClientSampled :

Z-3-14-B

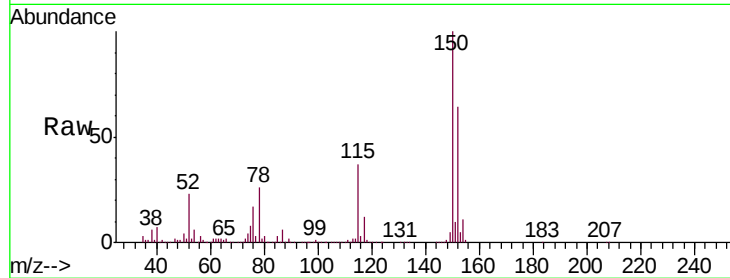
Tgt Ion:152 Resp: 203021

Ion Ratio Lower Upper

152 100

115 58.6 28.6 85.8

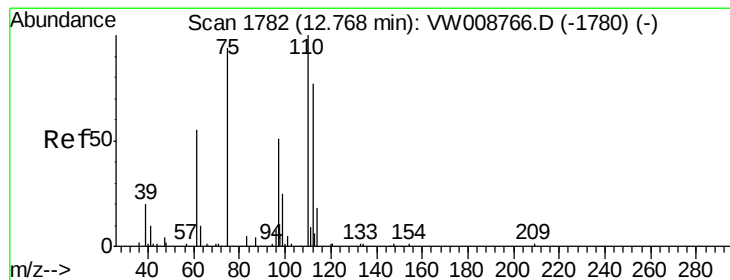
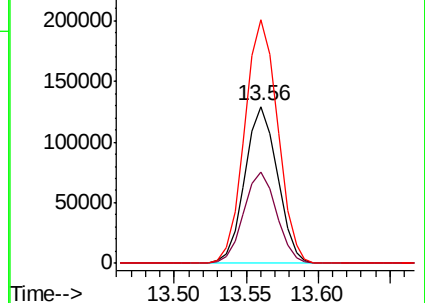
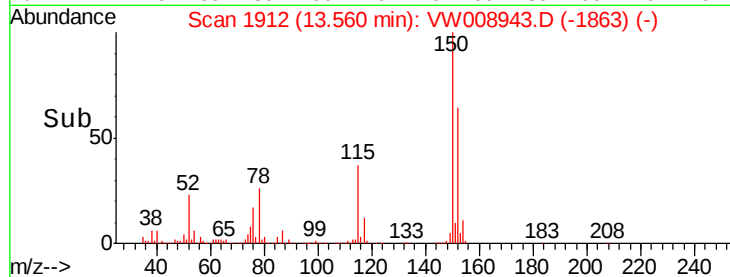
150 157.4 0.0 348.0



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: 63.969 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008943.D

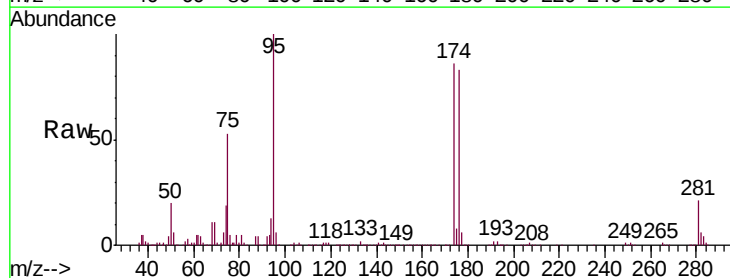
Acq: 02 Mar 2019 02:25

Tgt Ion: 75 Resp: 107225

Ion Ratio Lower Upper

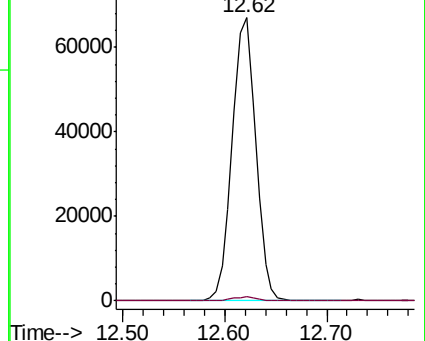
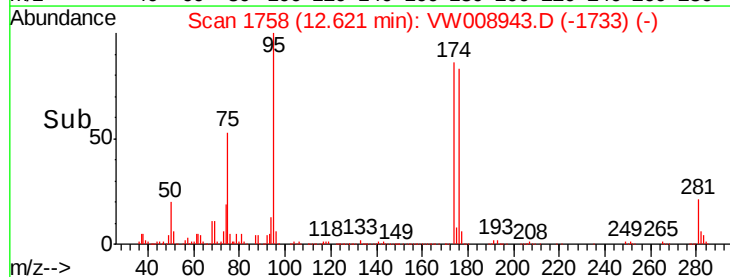
75 100

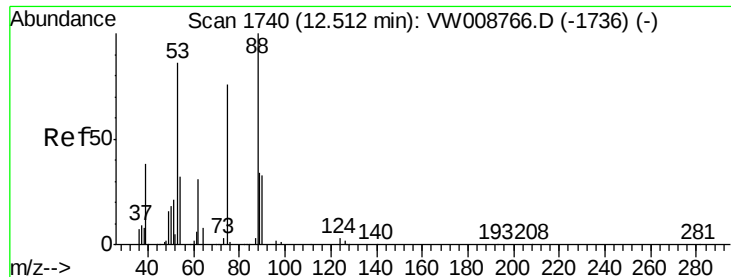
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 155.513 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008943.D

Acq: 02 Mar 2019 02:25

Instrument :

MSVOA_W

ClientSampleId :

Z-3-14-B

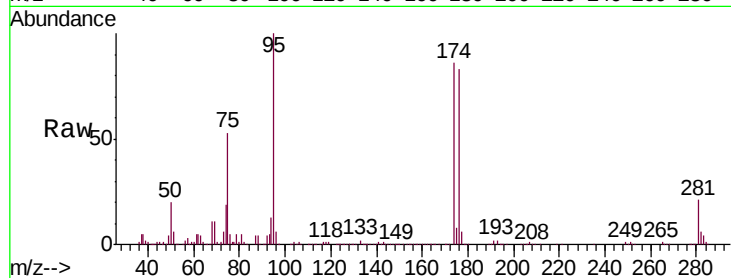
Tgt Ion: 75 Resp: 107225

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

89 0.0 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

