

Data File : VW008947.D
Acq On : 02 Mar 2019 04:12
Operator : SY/VA
Sample : K1675-11RE
Misc : 5.21G/5ML/MSVOA_W/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
Z-3-1-B

Quant Time: Mar 02 05:13:02 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	311102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	479583	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	427501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	196179	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	179430	61.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.98%	
35) Dibromofluoromethane	7.88	113	151646	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
50) Toluene-d8	10.32	98	575060	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
62) 4-Bromofluorobenzene	12.62	95	193452	44.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.90%	

Target Compounds

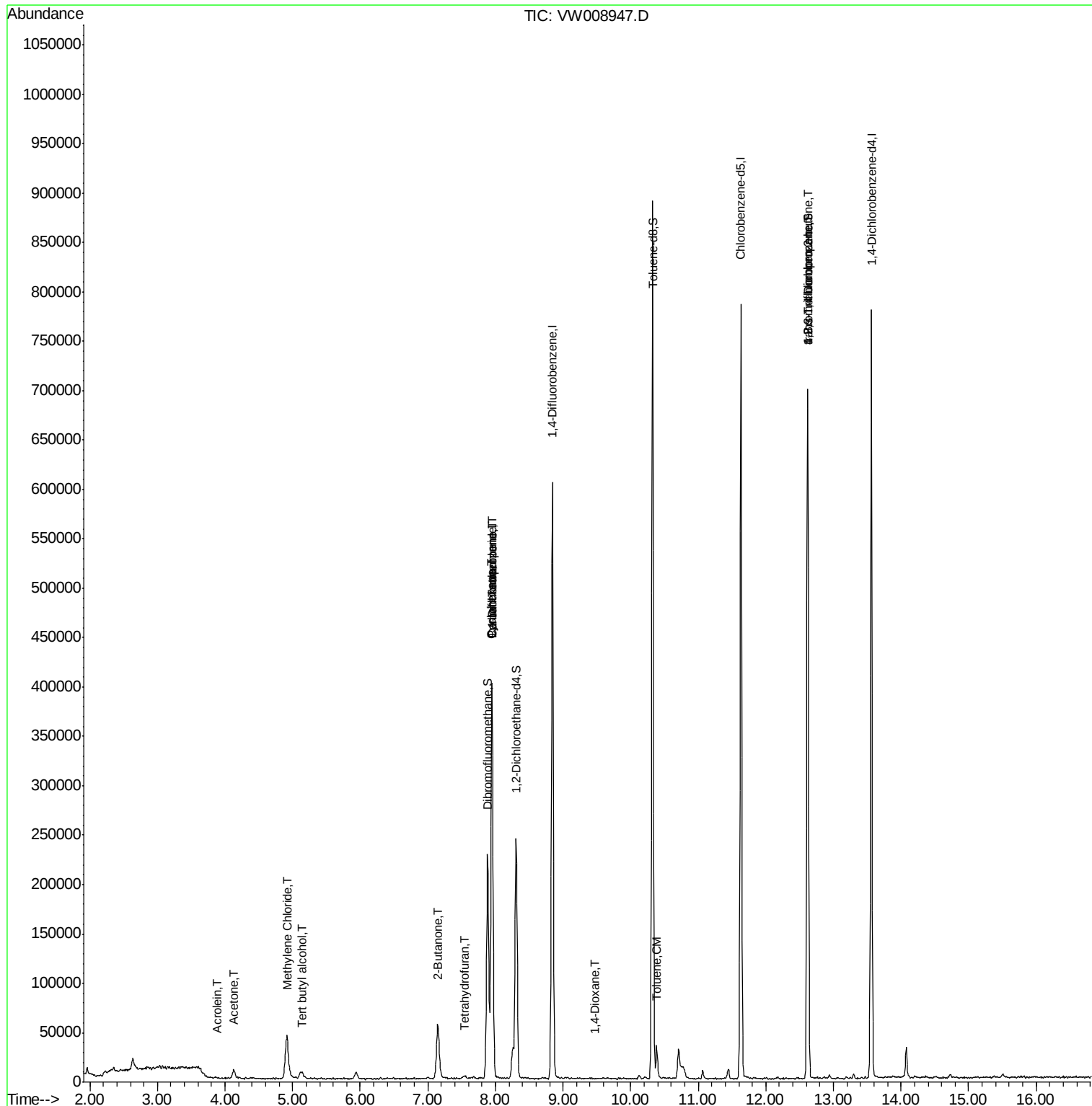
						Qvalue
11) Tert butyl alcohol	5.14	59	6766	26.046	ug/l #	70
13) Acrolein	3.89	56	80	20.049	ug/l #	1
16) Acetone	4.13	43	15116	22.350	ug/l	95
20) Methylene Chloride	4.92	84	32999	5.341	ug/l	90
25) 2-Butanone	7.15	43	4482	4.740	ug/l #	64
29) Tetrahydrofuran	7.54	42	2157	3.580	ug/l #	64
31) Cyclohexane	7.94	56	7653	1.391	ug/l #	41
36) 1,1-Dichloropropene	7.95	75	23551	5.045	ug/l #	51
38) Carbon Tetrachloride	7.95	117	29822	6.057	ug/l #	16
49) 1,4-Dioxane	9.47	88	189	6.736	ug/l #	80
52) Toluene	10.39	92	13909	1.608	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	101396	62.601	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	101396	152.188	ug/l #	6

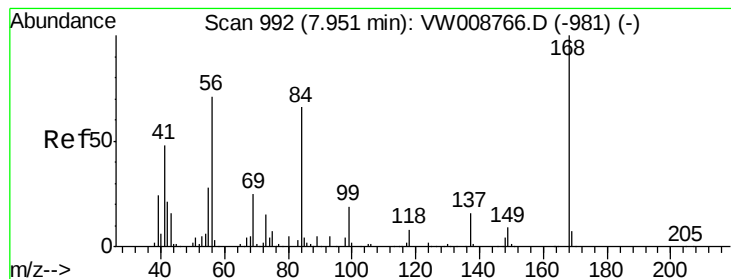
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008947.D

Acq: 02 Mar 2019 04:12

Instrument :

MSVOA_W

ClientSampleId :

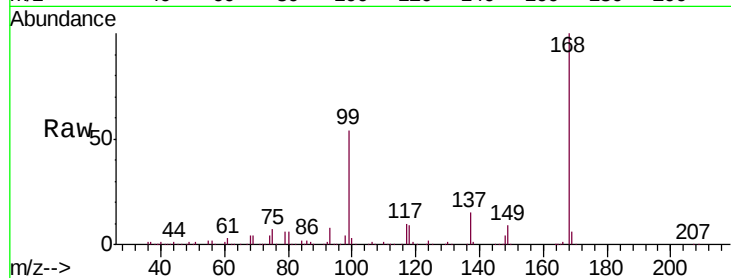
Z-3-1-B

Tgt Ion:168 Resp: 311102

Ion Ratio Lower Upper

168 100

99 53.9 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

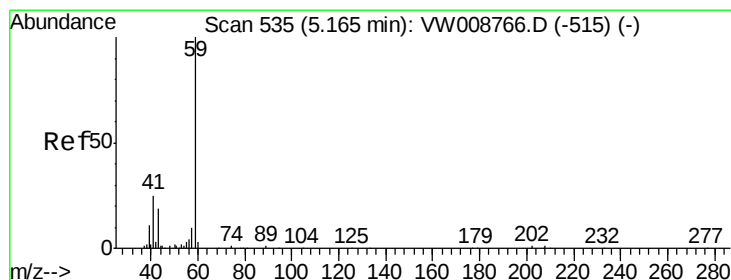
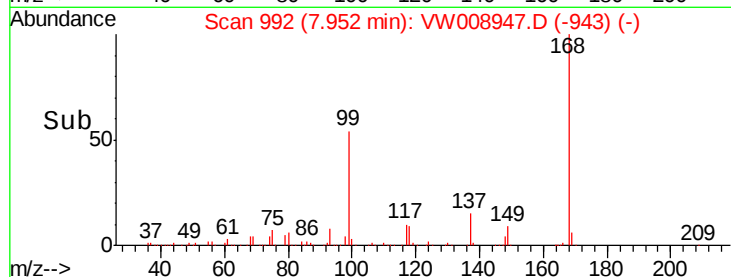
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 26.046 ug/l

RT: 5.14 min Scan# 530

Delta R.T. -0.03 min

Lab File: VW008947.D

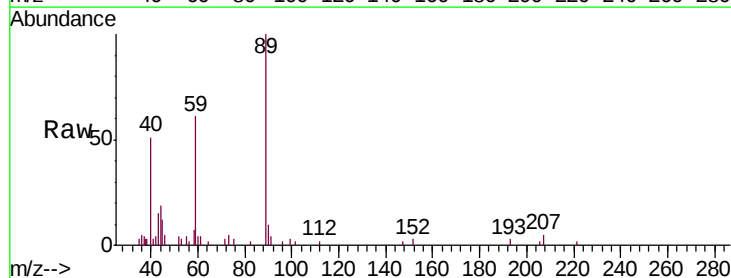
Acq: 02 Mar 2019 04:12

Tgt Ion: 59 Resp: 6766

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.14

2000

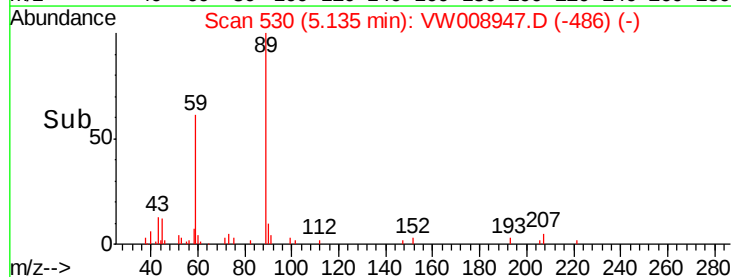
1500

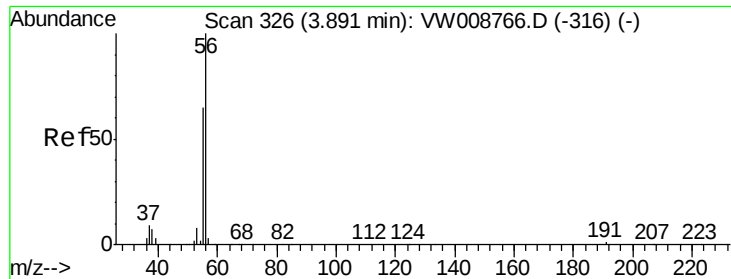
1000

500

0

Time-->





#13

Acrolein

Concen: 20.049 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW008947.D

Acq: 02 Mar 2019 04:12

Instrument :

MSVOA_W

ClientSampled :

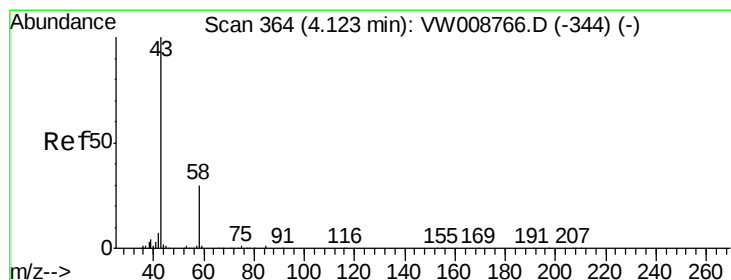
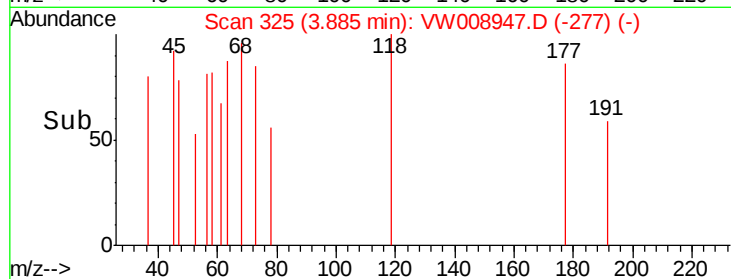
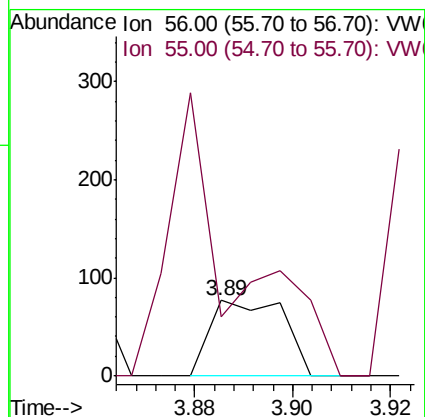
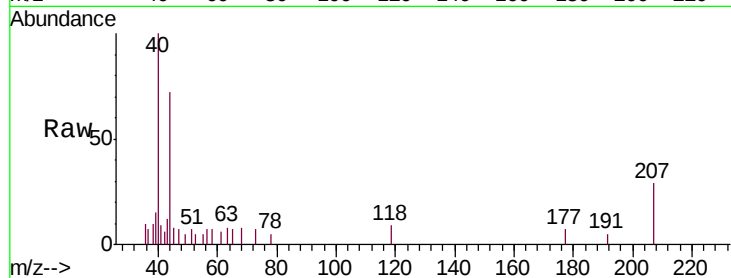
Z-3-1-B

Tgt Ion: 56 Resp: 80

Ion Ratio Lower Upper

56 100

55 333.8 56.9 85.3#



#16

Acetone

Concen: 22.350 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008947.D

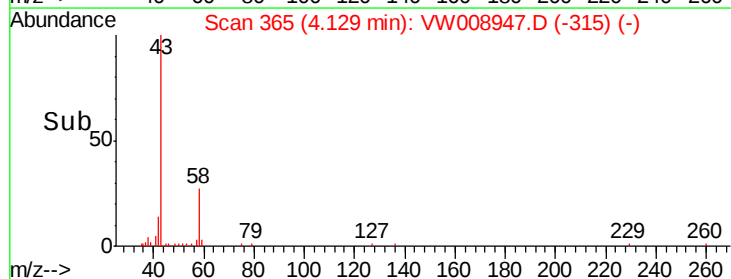
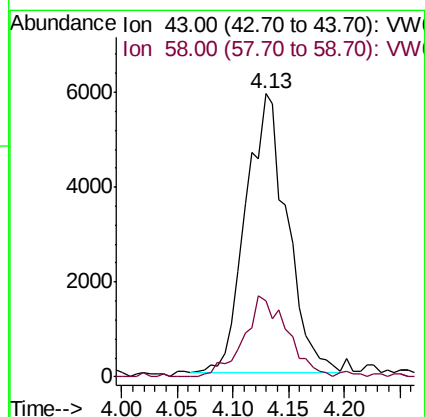
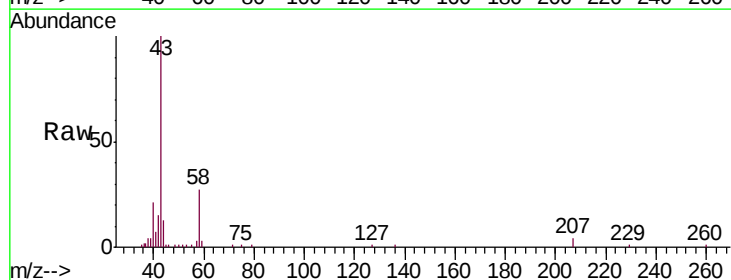
Acq: 02 Mar 2019 04:12

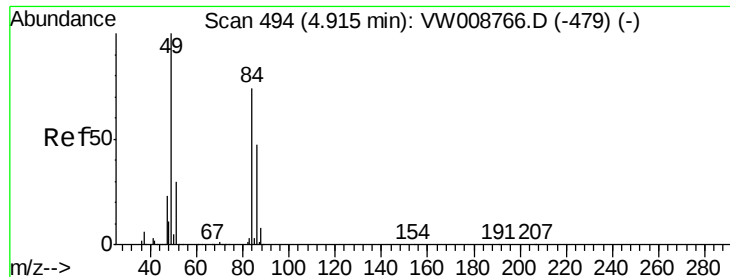
Tgt Ion: 43 Resp: 15116

Ion Ratio Lower Upper

43 100

58 27.2 23.8 35.6





#20

Methylene Chloride

Concen: 5.341 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008947.D

Acq: 02 Mar 2019 04:12

Instrument :

MSVOA_W

ClientSampled :

Z-3-1-B

Tgt Ion: 84 Resp: 32999

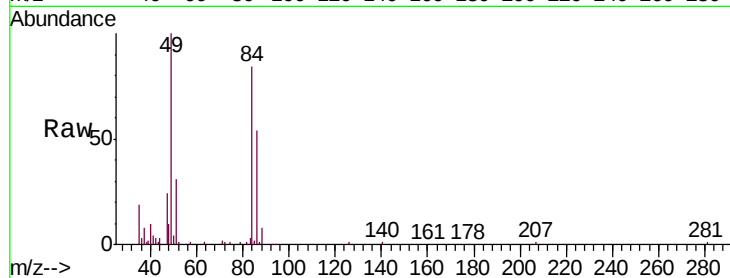
Ion Ratio Lower Upper

84 100

49 117.0 108.2 162.2

51 37.1 32.7 49.1

86 63.5 50.3 75.5

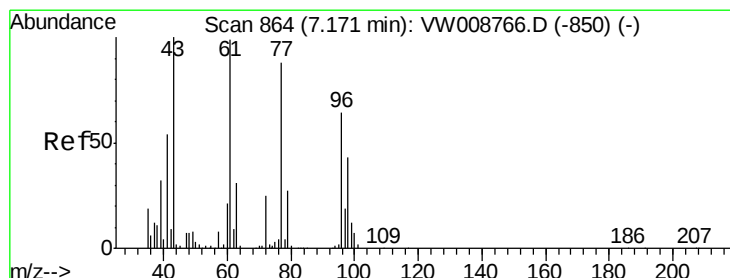
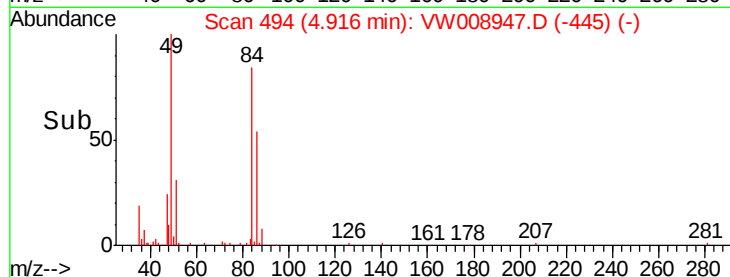
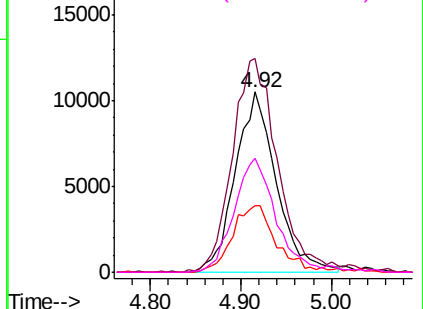


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 4.740 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW008947.D

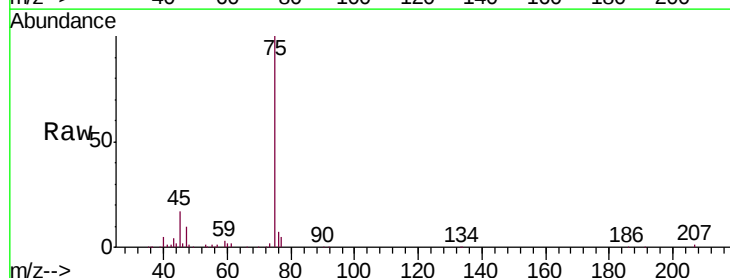
Acq: 02 Mar 2019 04:12

Tgt Ion: 43 Resp: 4482

Ion Ratio Lower Upper

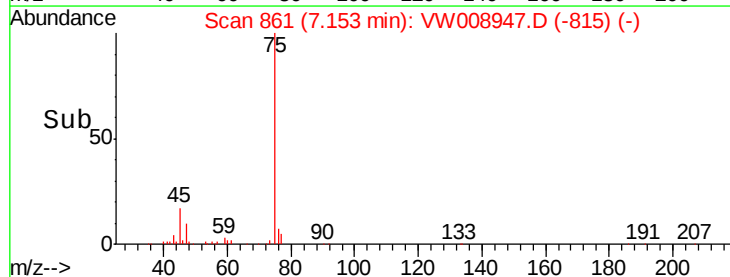
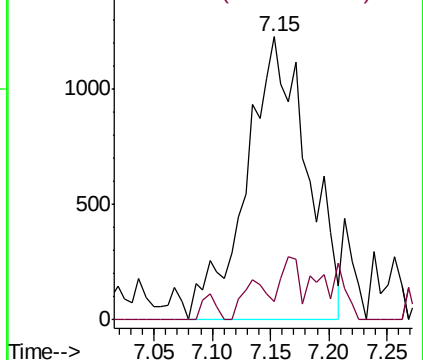
43 100

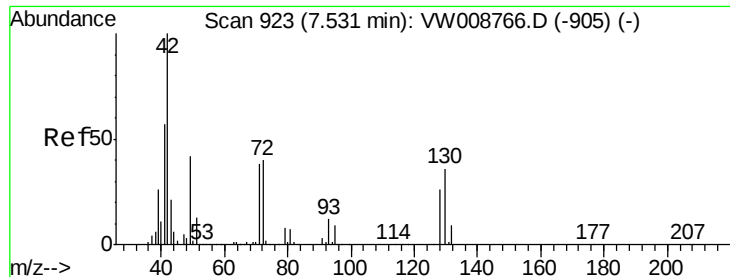
72 6.4 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 3.580 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW008947.D

Acq: 02 Mar 2019 04:12

Instrument :

MSVOA_W

ClientSampled :

Z-3-1-B

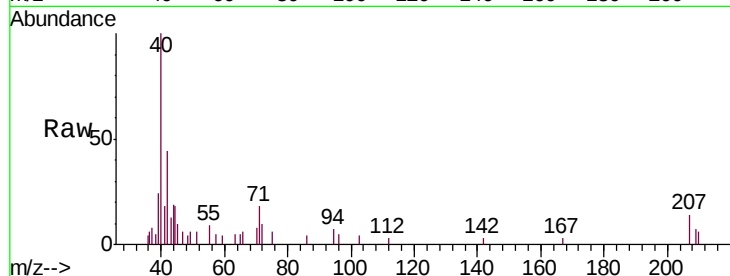
Tgt Ion: 42 Resp: 2157

Ion Ratio Lower Upper

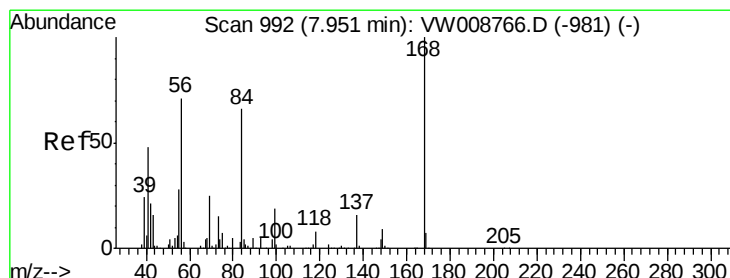
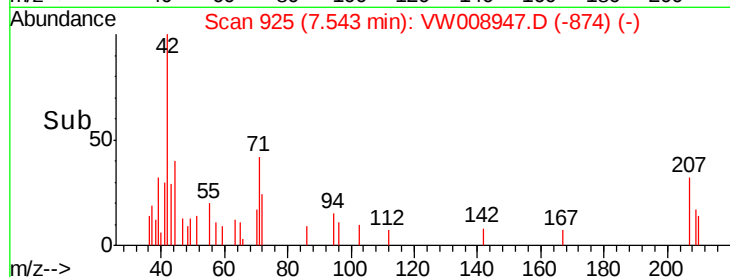
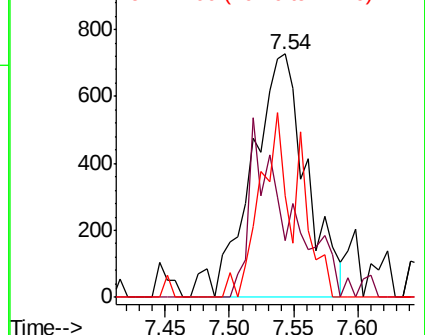
42 100

72 0.0 32.7 49.1#

71 35.8 31.3 46.9



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: 1.391 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008947.D

Acq: 02 Mar 2019 04:12

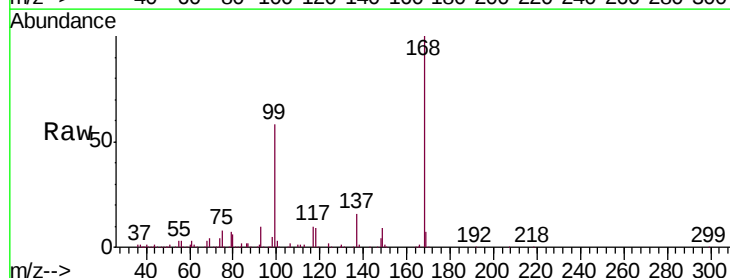
Tgt Ion: 56 Resp: 7653

Ion Ratio Lower Upper

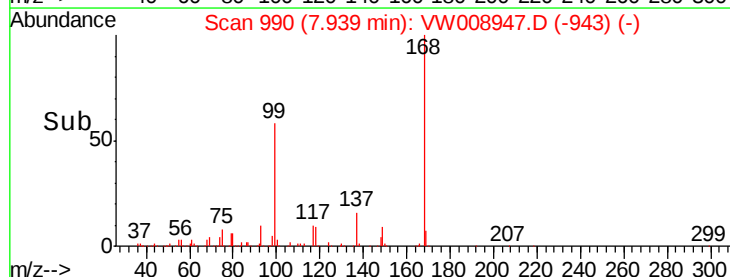
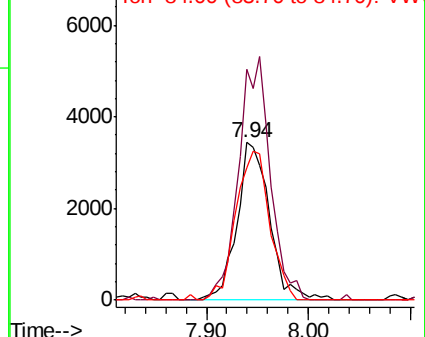
56 100

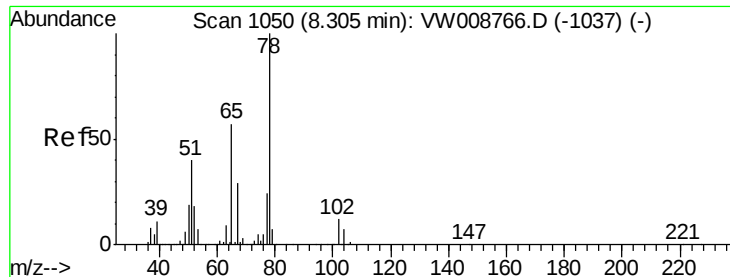
69 146.5 28.2 42.4#

84 84.0 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

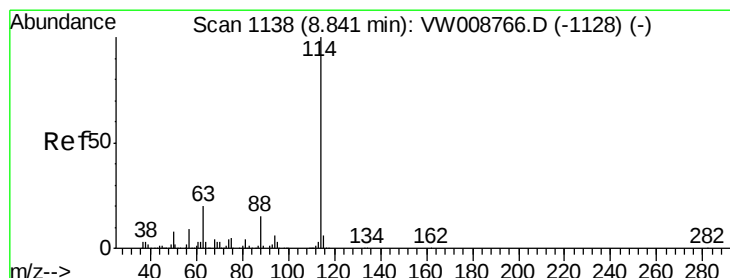
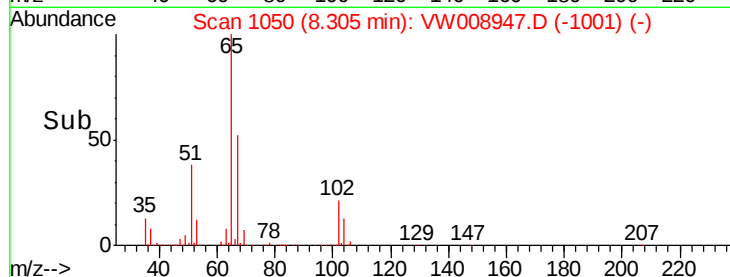
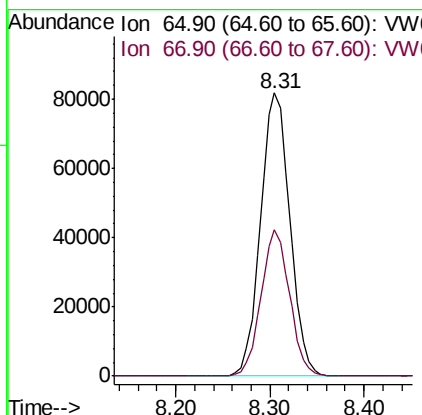
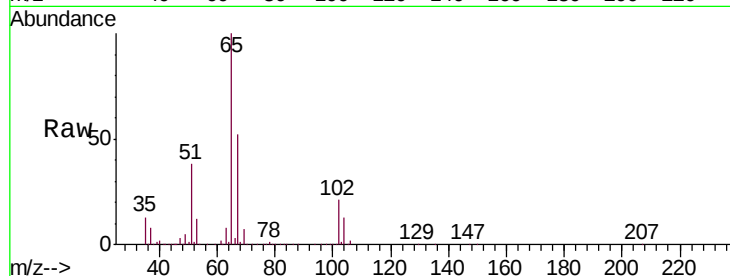




#33
 1,2-Dichloroethane-d4
 Concen: 61.494 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008947.D
 Acq: 02 Mar 2019 04:12

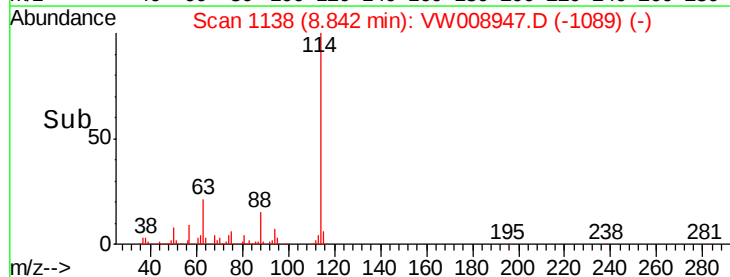
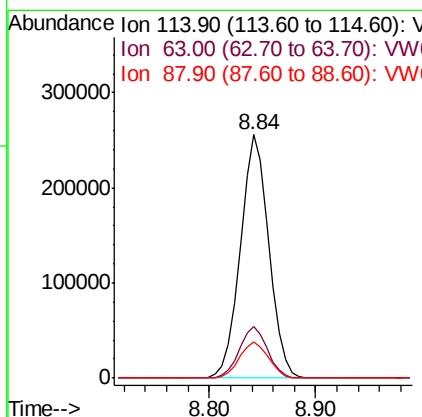
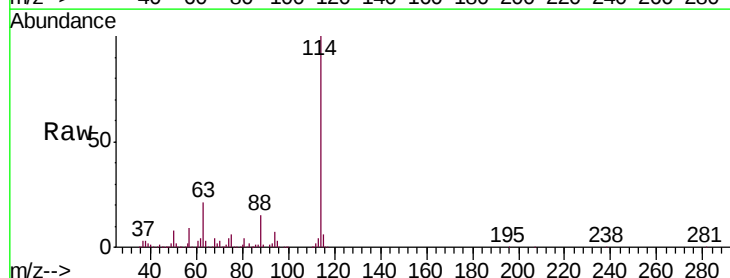
Instrument :
 MSVOA_W
 ClientSampleId :
 Z-3-1-B

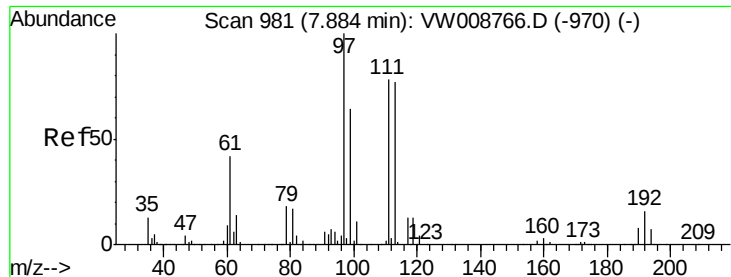
Tgt Ion: 65 Resp: 179430
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008947.D
 Acq: 02 Mar 2019 04:12

Tgt Ion: 114 Resp: 479583
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.8
 88 15.0 0.0 30.4

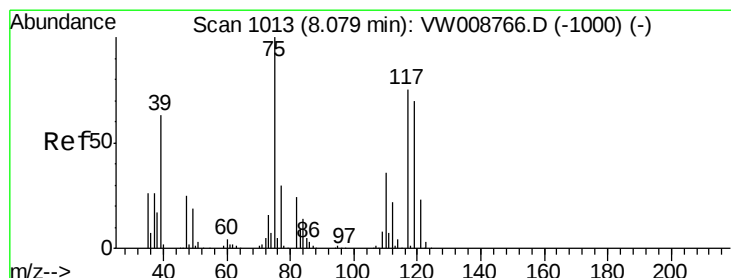
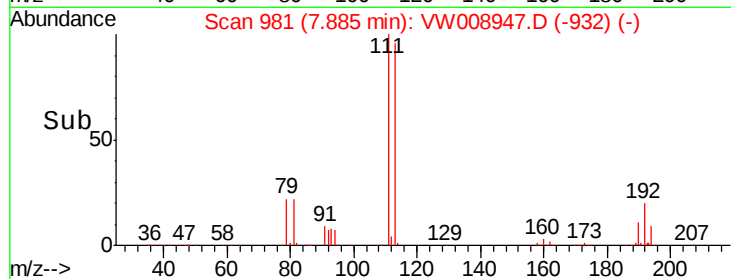
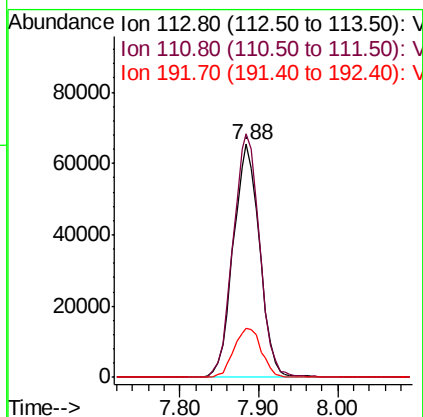
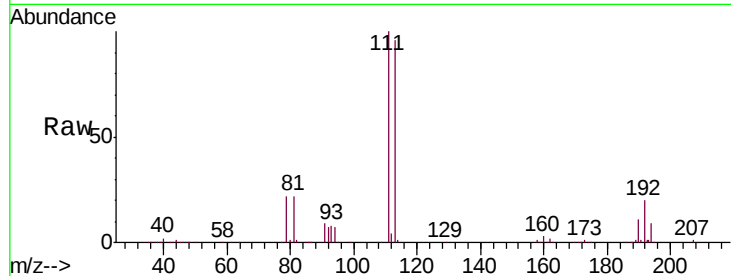




#35
 Dibromofluoromethane
 Concen: 52.665 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008947.D
 Acq: 02 Mar 2019 04:12

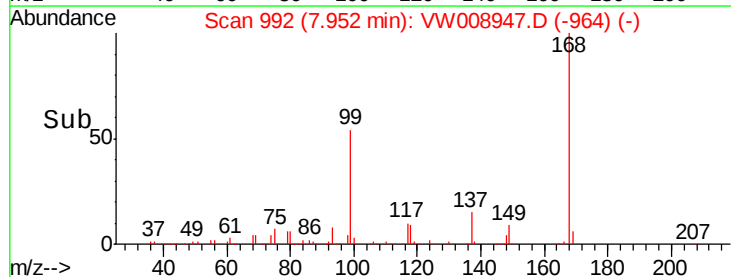
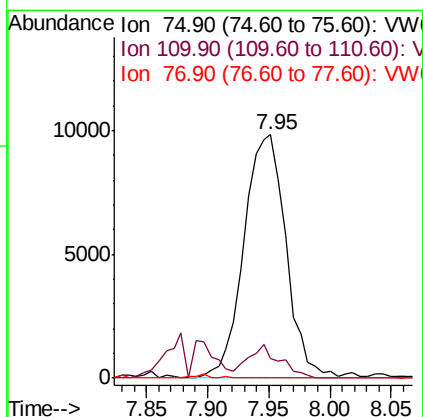
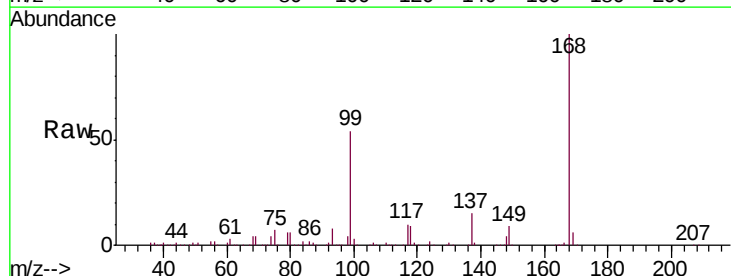
Instrument :
 MSVOA_W
 ClientSampleId :
 Z-3-1-B

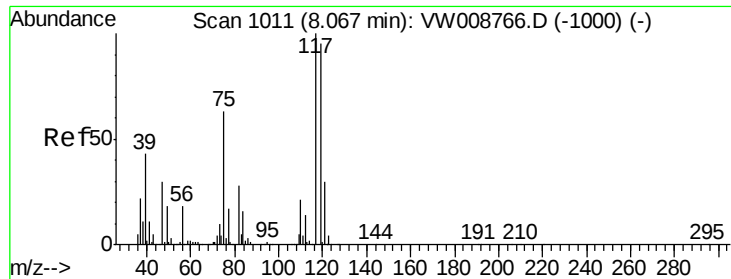
Tgt Ion:113 Resp: 151646
 Ion Ratio Lower Upper
 113 100
 111 105.5 81.9 122.9
 192 22.1 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 5.045 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW008947.D
 Acq: 02 Mar 2019 04:12

Tgt Ion: 75 Resp: 23551
 Ion Ratio Lower Upper
 75 100
 110 10.3 17.5 52.6#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.057 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008947.D

Acq: 02 Mar 2019 04:12

Instrument :

MSVOA_W

ClientSampled :

Z-3-1-B

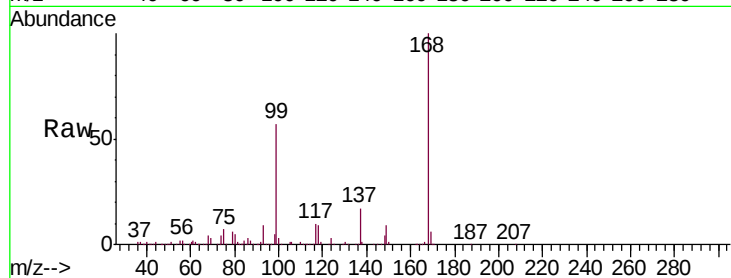
Tgt Ion:117 Resp: 29822

Ion Ratio Lower Upper

117 100

119 4.8 76.1 114.1#

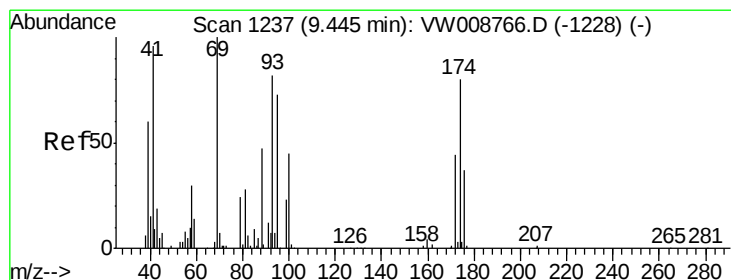
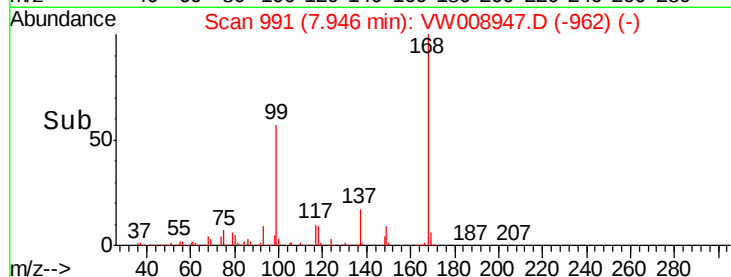
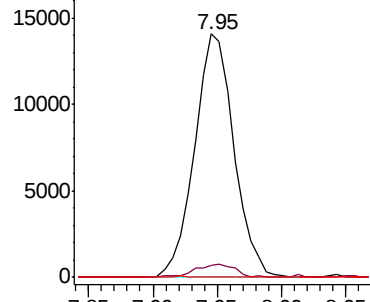
121 0.0 24.0 36.0#



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: 6.736 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.02 min

Lab File: VW008947.D

Acq: 02 Mar 2019 04:12

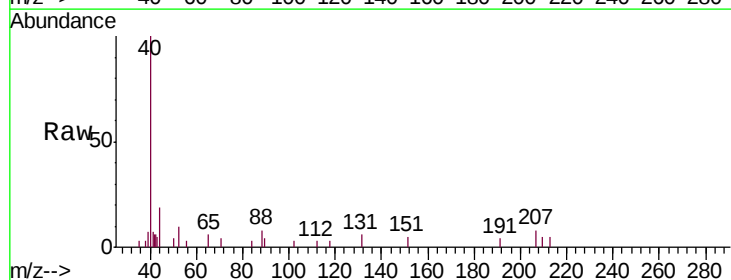
Tgt Ion: 88 Resp: 189

Ion Ratio Lower Upper

88 100

43 52.9 29.0 43.4#

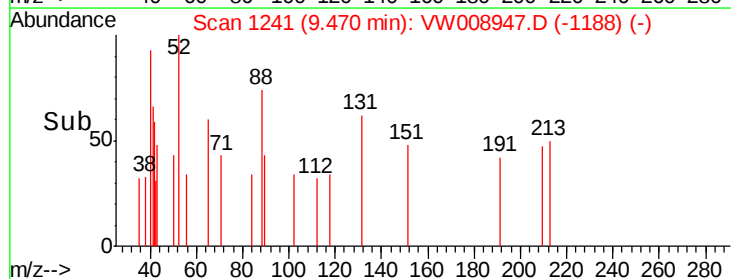
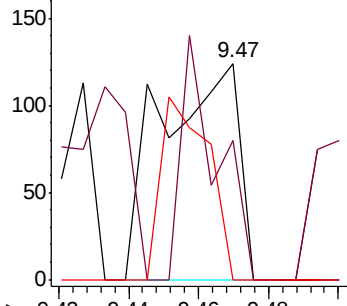
58 52.4 52.0 78.0

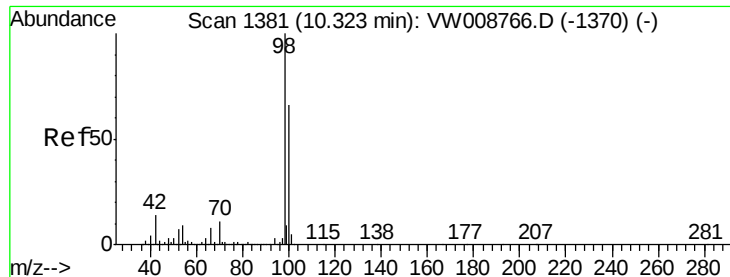


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 51.734 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008947.D

Acq: 02 Mar 2019 04:12

Instrument :

MSVOA_W

ClientSampled :

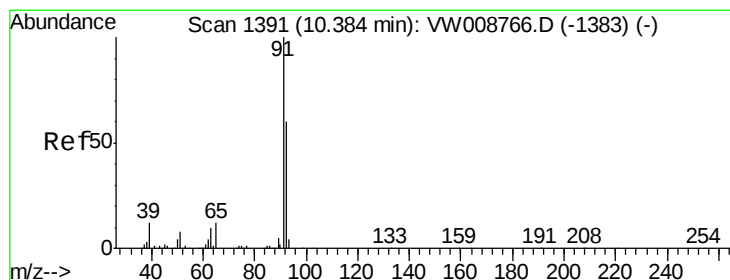
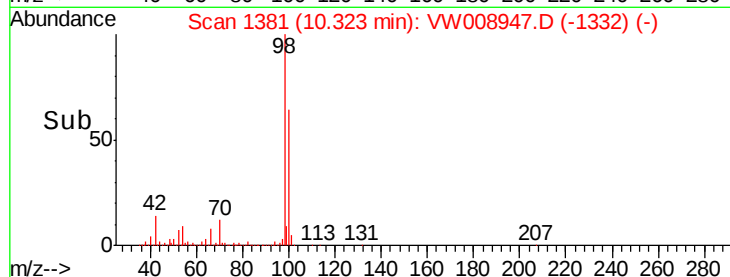
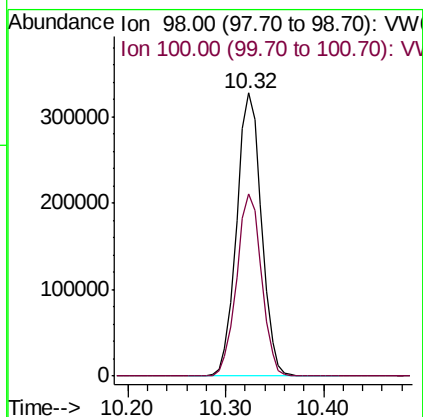
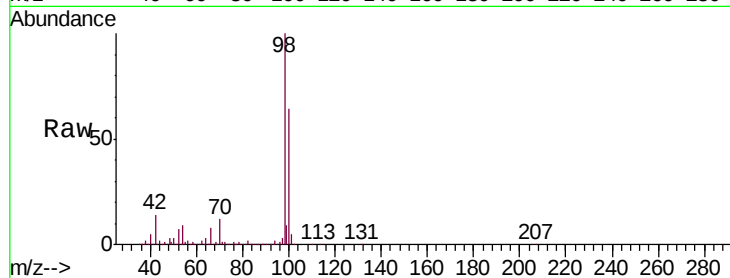
Z-3-1-B

Tgt Ion: 98 Resp: 575060

Ion Ratio Lower Upper

98 100

100 64.5 52.4 78.6



#52

Toluene

Concen: 1.608 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008947.D

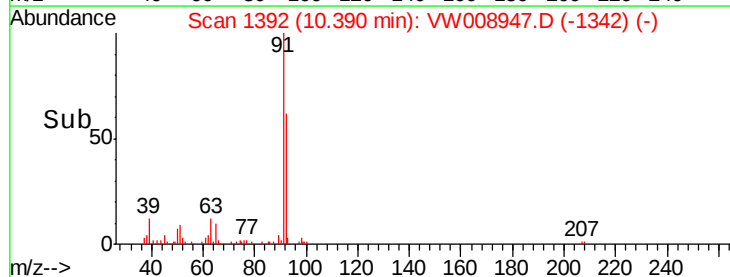
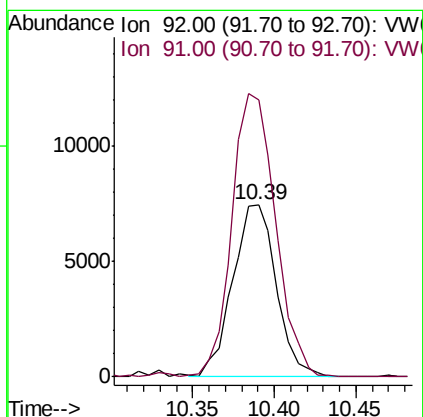
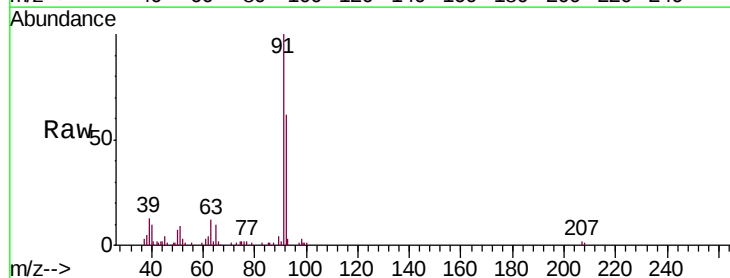
Acq: 02 Mar 2019 04:12

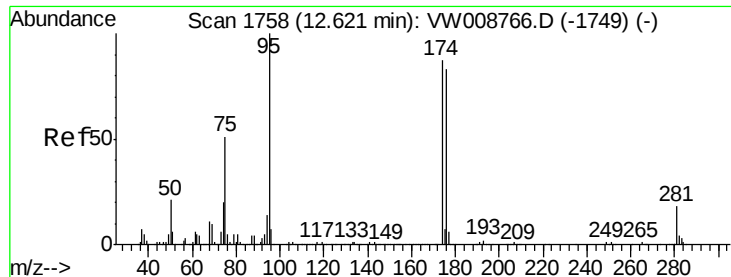
Tgt Ion: 92 Resp: 13909

Ion Ratio Lower Upper

92 100

91 164.3 136.9 205.3





#62

4-Bromofluorobenzene

Concen: 44.449 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008947.D

Acq: 02 Mar 2019 04:12

Instrument :

MSVOA_W

ClientSampled :

Z-3-1-B

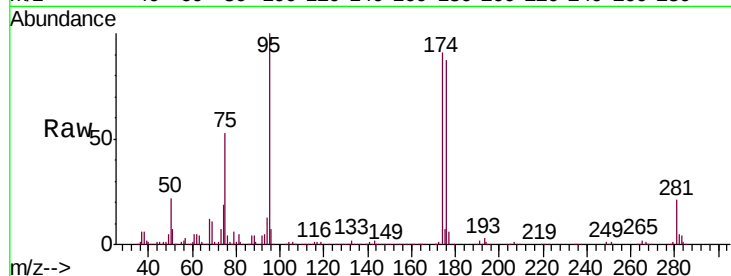
Tgt Ion: 95 Resp: 193452

Ion Ratio Lower Upper

95 100

174 85.9 0.0 169.2

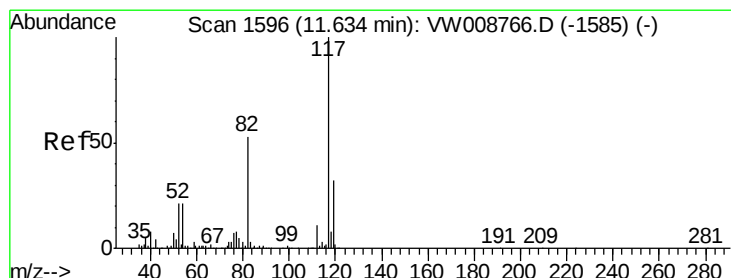
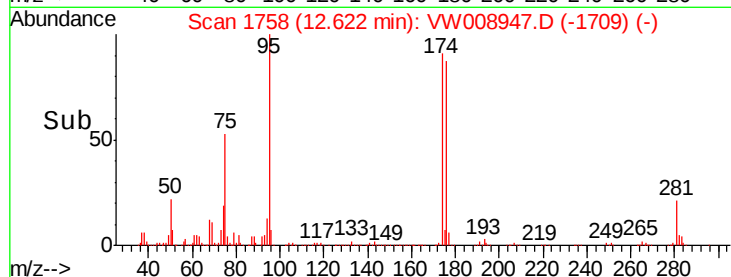
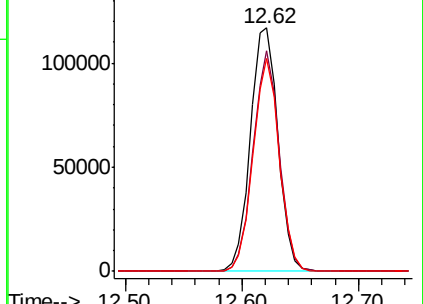
176 83.0 0.0 163.6



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: VW008947.D

Acq: 02 Mar 2019 04:12

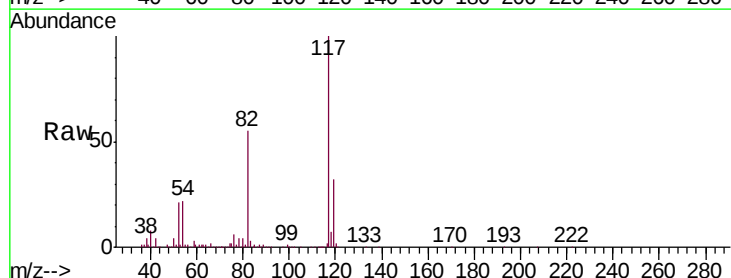
Tgt Ion: 117 Resp: 427501

Ion Ratio Lower Upper

117 100

82 54.5 42.2 63.4

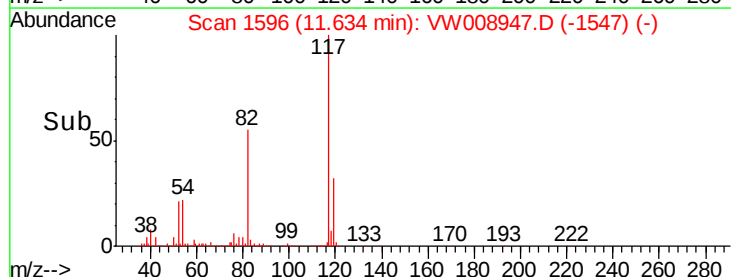
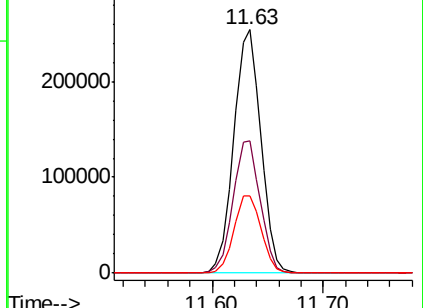
119 31.5 25.9 38.9

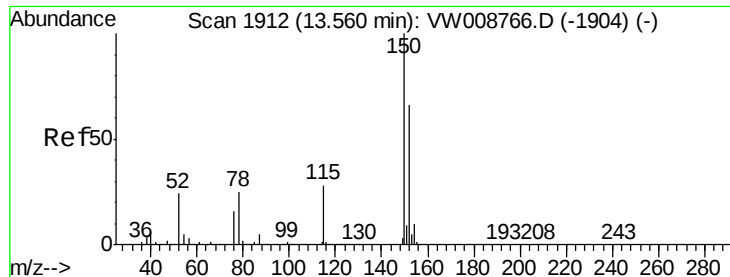


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW008947.D

Acq: 02 Mar 2019 04:12

Instrument :

MSVOA_W

ClientSampleId :

Z-3-1-B

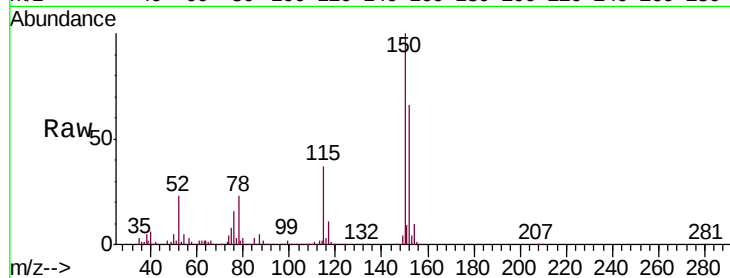
Tgt Ion: 152 Resp: 196179

Ion Ratio Lower Upper

152 100

115 57.0 28.6 85.8

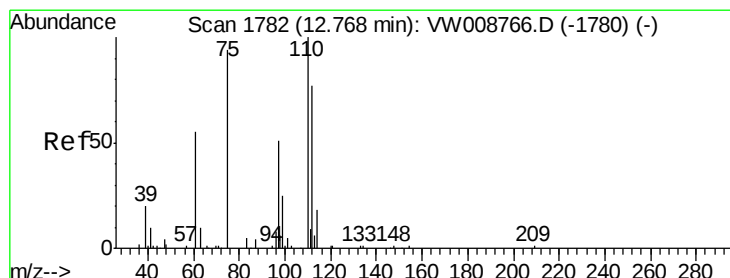
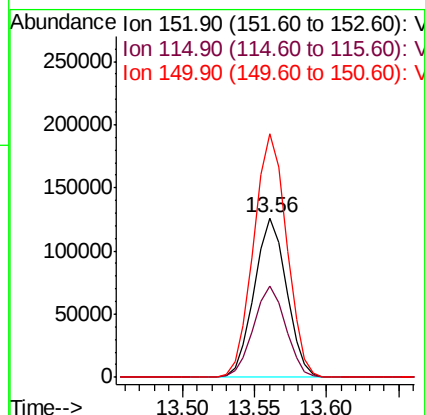
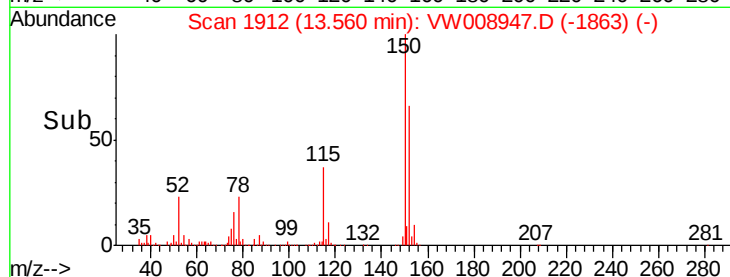
150 155.6 0.0 348.0



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: 62.601 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008947.D

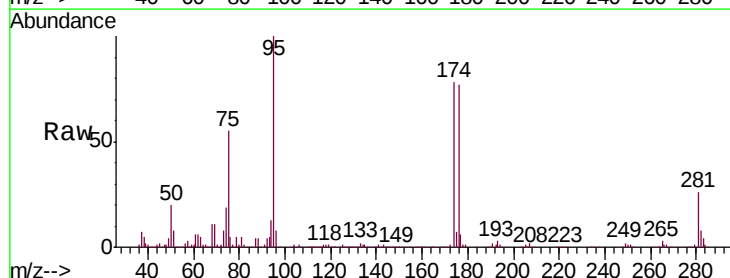
Acq: 02 Mar 2019 04:12

Tgt Ion: 75 Resp: 101396

Ion Ratio Lower Upper

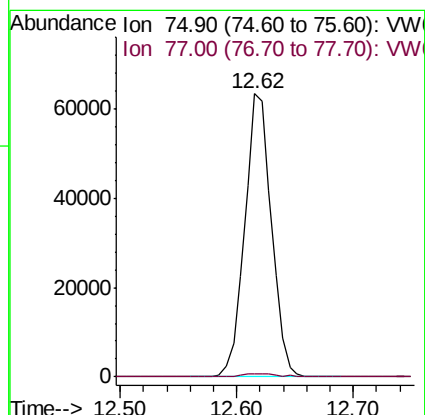
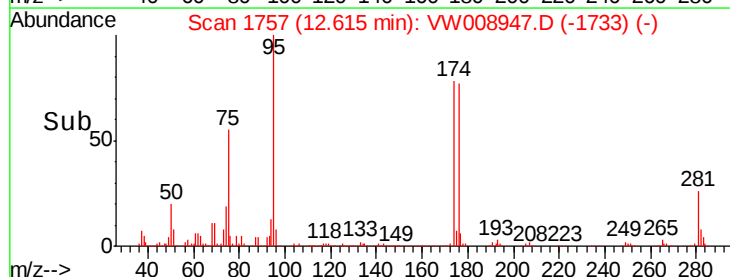
75 100

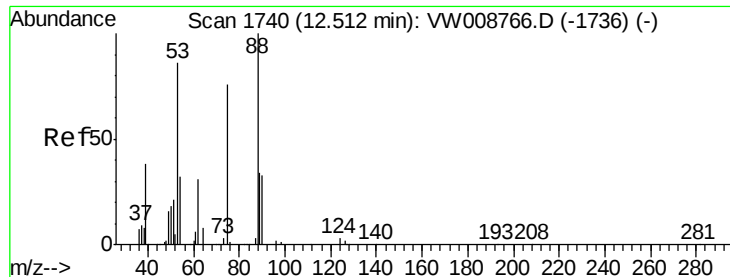
77 1.5 0.0 0.0#



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: 152.188 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008947.D

Acq: 02 Mar 2019 04:12

Instrument :

MSVOA_W

ClientSampleId :

Z-3-1-B

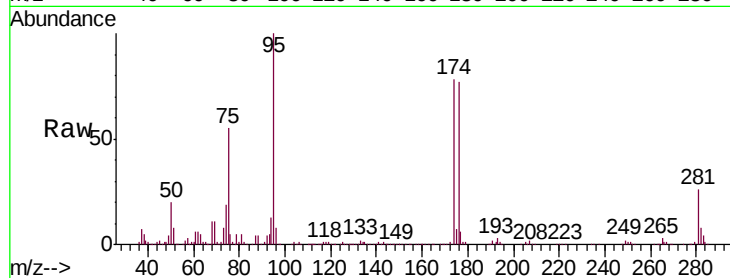
Tgt Ion: 75 Resp: 101396

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

89 0.5 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

