

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008910.D
 Acq On : 01 Mar 2019 03:09
 Operator : SY/VA
 Sample : K1665-01
 Misc : 5.62G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 200051

Quant Time: Mar 01 06:06:46 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	311794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	487489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	431613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	208863	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	181058	61.91	ug/l	0.00
Spiked Amount			Recovery	=	123.82%	
35) Dibromofluoromethane	7.88	113	151999	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
50) Toluene-d8	10.32	98	579315	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
62) 4-Bromofluorobenzene	12.62	95	199669	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	

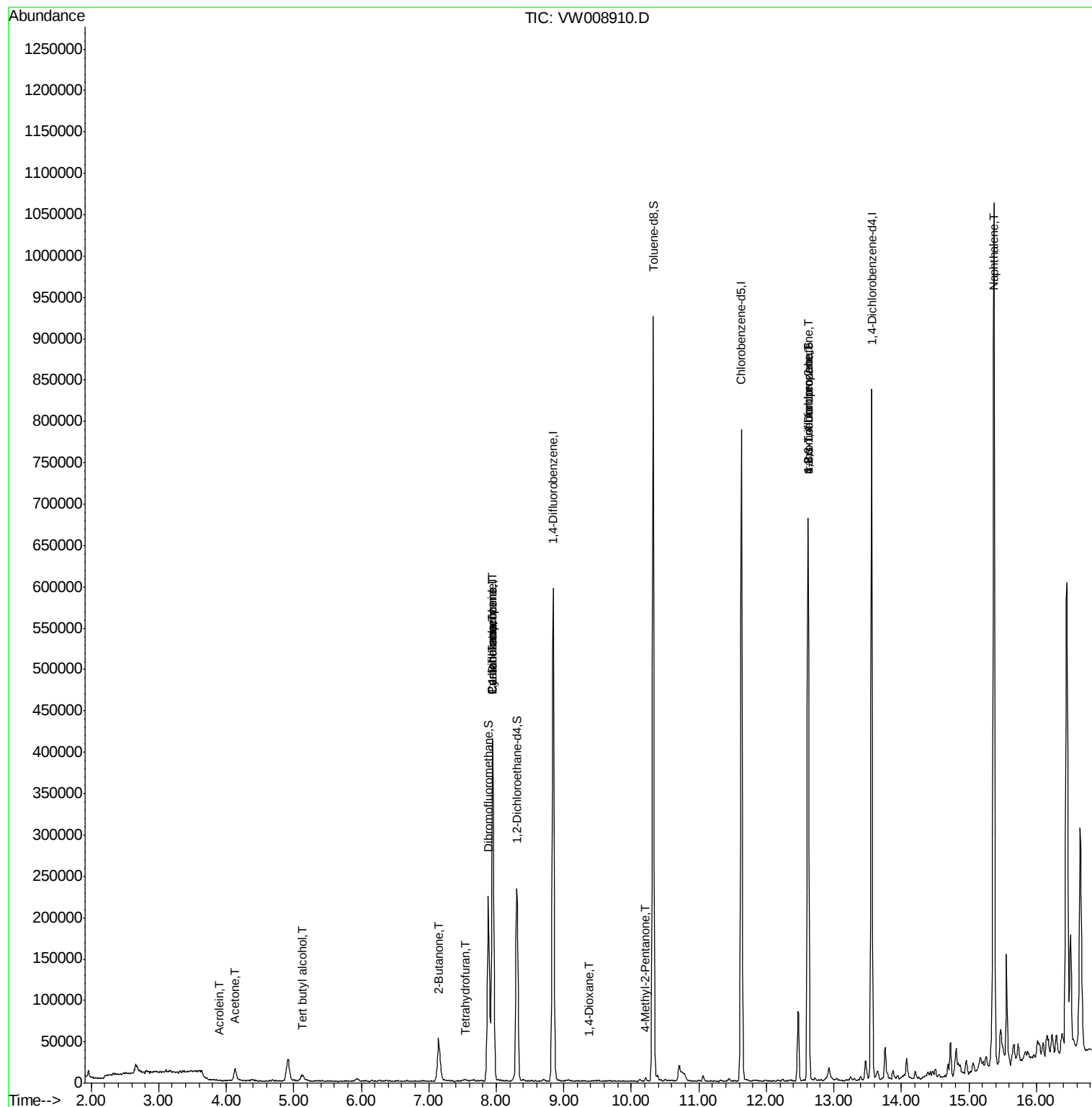
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	7783	29.895	ug/l #	71
13) Acrolein	3.89	56	232	20.558	ug/l #	35
16) Acetone	4.14	43	25537	37.674	ug/l	89
25) 2-Butanone	7.15	43	2353	2.483	ug/l #	81
29) Tetrahydrofuran	7.55	42	1790	2.964	ug/l #	60
31) Cyclohexane	7.95	56	7449	1.351	ug/l #	37
36) 1,1-Dichloropropene	7.95	75	23435	4.938	ug/l #	50
38) Carbon Tetrachloride	7.95	117	29473	5.889	ug/l #	16
49) 1,4-Dioxane	9.38	88	52	1.823	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	2841	1.271	ug/l #	86
76) 1,2,3-Trichloropropane	12.62	75	105119	60.958	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	105119	148.194	ug/l #	6
95) Naphthalene	15.37	128	856530	111.621	ug/l	100

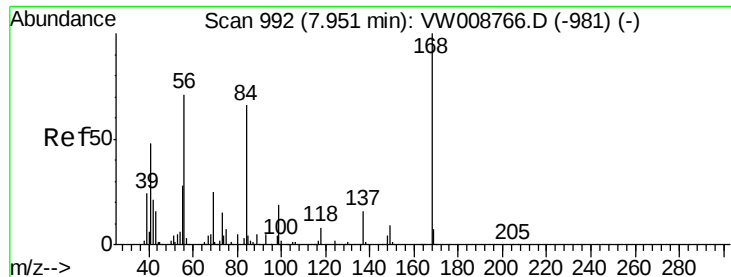
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022819\
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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: VW008910.D

Acq: 01 Mar 2019 03:09

Instrument :

MSVOA_W

ClientSampleId :

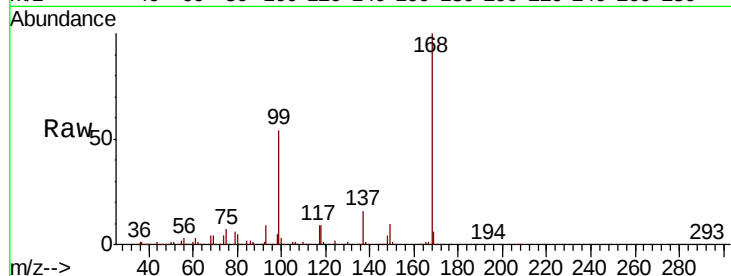
200051

Tot Ion:168 Resp: 311794

Ion Ratio Lower Upper

168 100

99 54.4 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

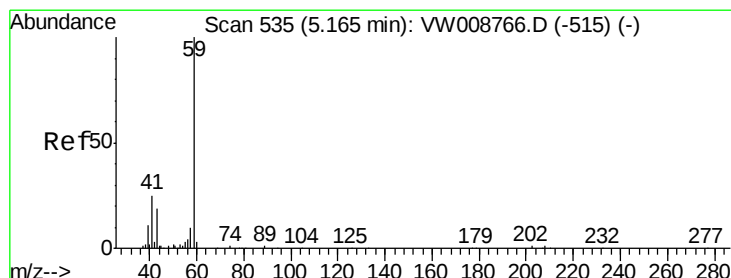
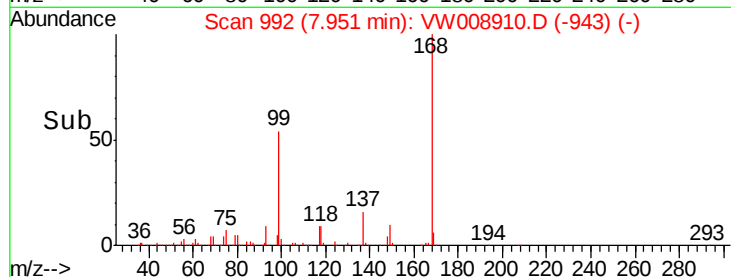
100000

50000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 29.895 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW008910.D

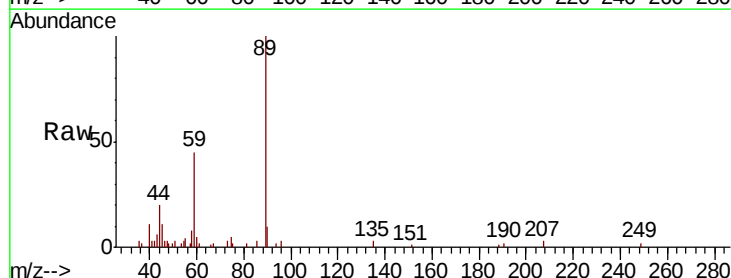
Acq: 01 Mar 2019 03:09

Tgt Ion: 59 Resp: 7783

Ion Ratio Lower Upper

59 100

57 0.3 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

1500

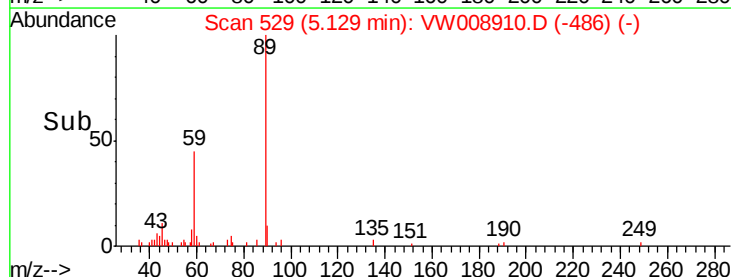
1000

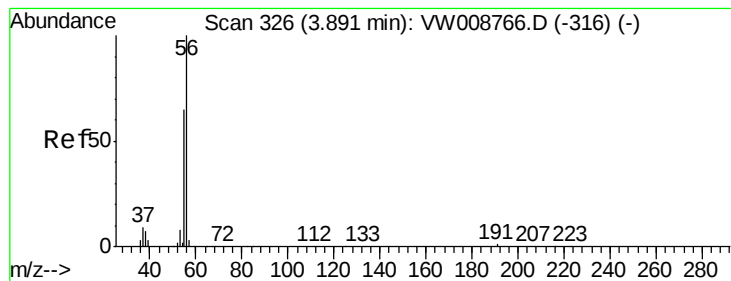
500

0

5.00 5.10 5.20 5.30

Time-->





#13

Acrolein

Concen: 20.558 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008910.D

Acq: 01 Mar 2019 03:09

Instrument :

MSVOA_W

ClientSampled :

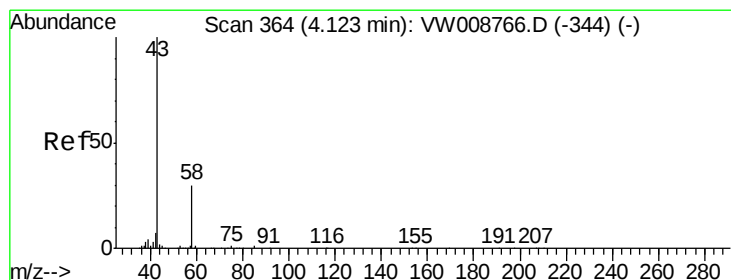
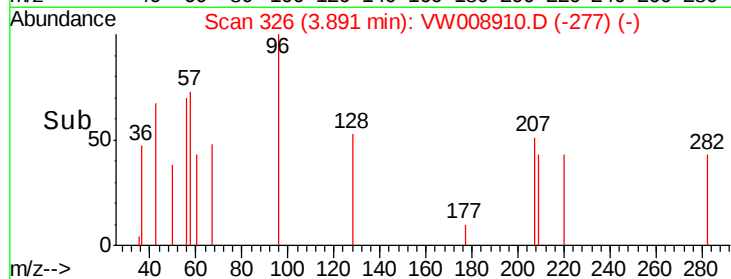
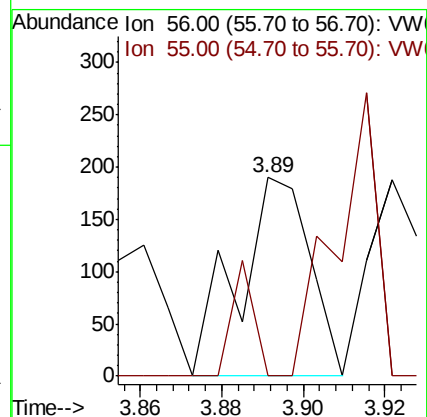
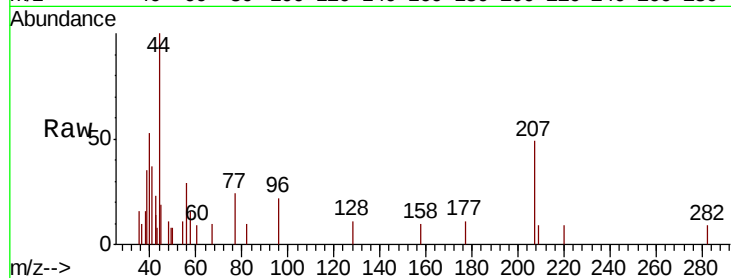
200051

Tot Ion: 56 Resp: 232

Ion Ratio Lower Upper

56 100

55 17.7 56.9 85.3#



#16

Acetone

Concen: 37.674 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW008910.D

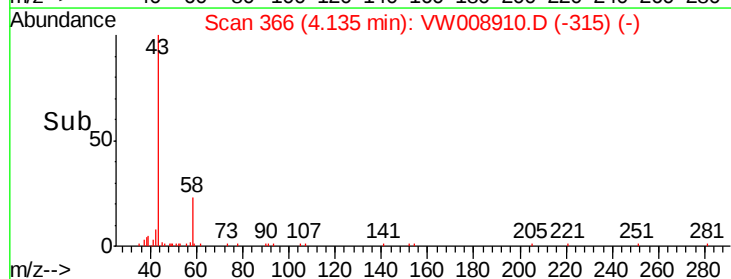
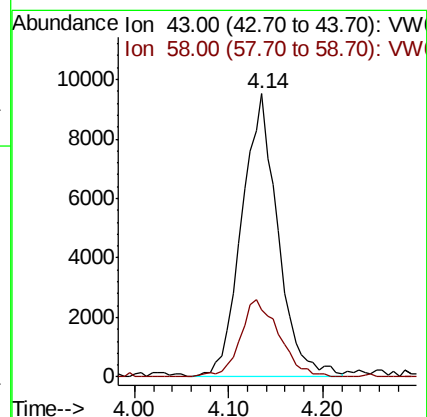
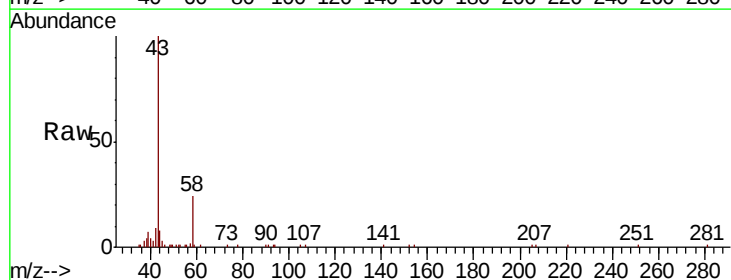
Acq: 01 Mar 2019 03:09

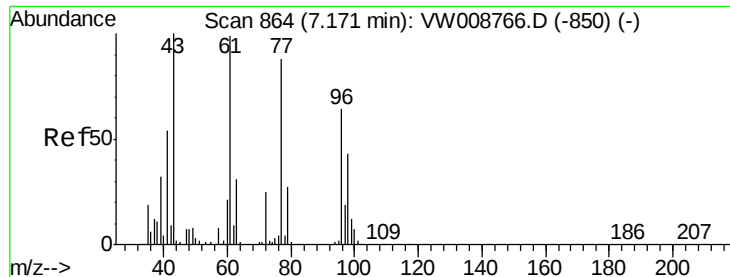
Tgt Ion: 43 Resp: 25537

Ion Ratio Lower Upper

43 100

58 23.8 23.8 35.6





#25

2-Butanone

Concen: 2.483 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW008910.D

Acq: 01 Mar 2019 03:09

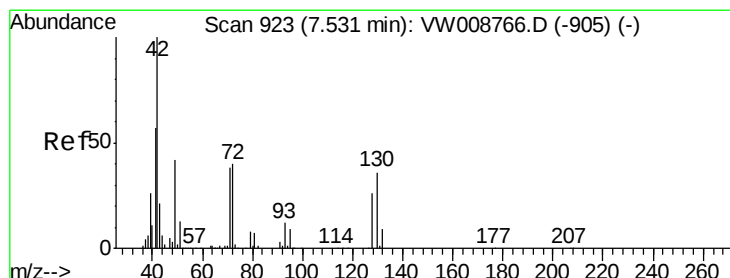
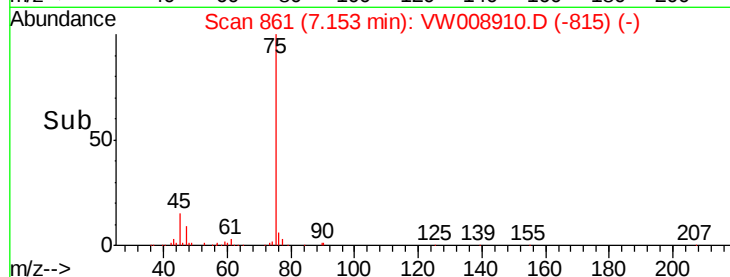
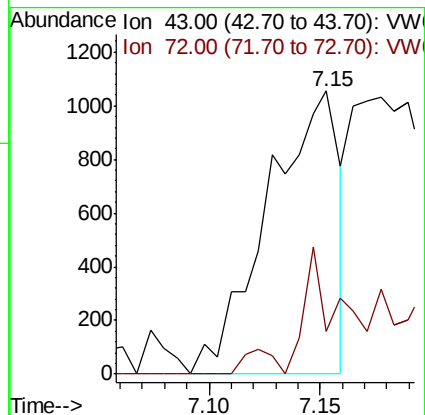
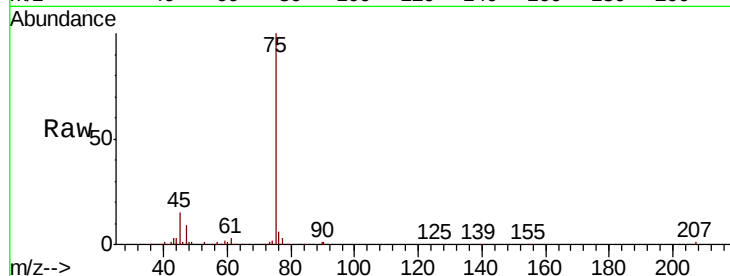
Instrument :
MSVOA_W
ClientSampled :
200051

Tot Ion: 43 Resp: 2353

Ion Ratio Lower Upper

43 100

72 15.0 19.7 29.5#



#29

Tetrahydrofuran

Concen: 2.964 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW008910.D

Acq: 01 Mar 2019 03:09

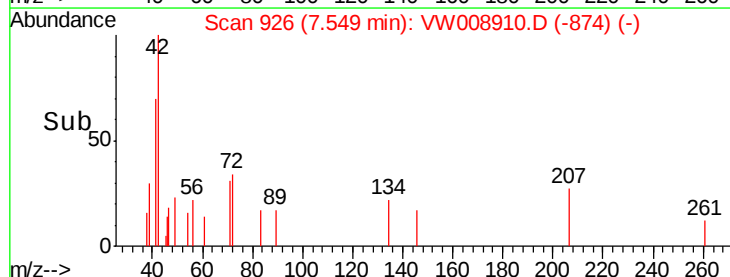
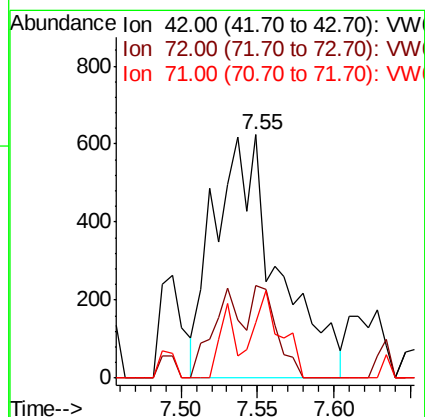
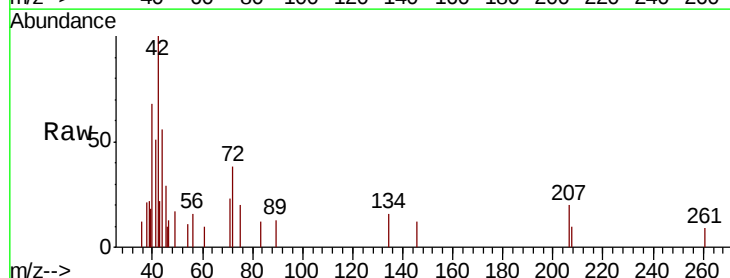
Tgt Ion: 42 Resp: 1790

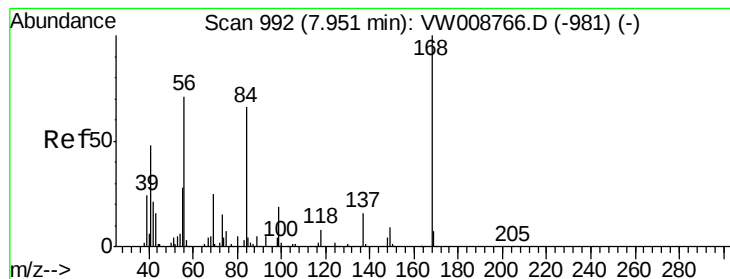
Ion Ratio Lower Upper

42 100

72 14.5 32.7 49.1#

71 15.8 31.3 46.9#





#31

Cyclohexane

Concen: 1.351 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008910.D

Acq: 01 Mar 2019 03:09

Instrument :

MSVOA_W

ClientSampled :

200051

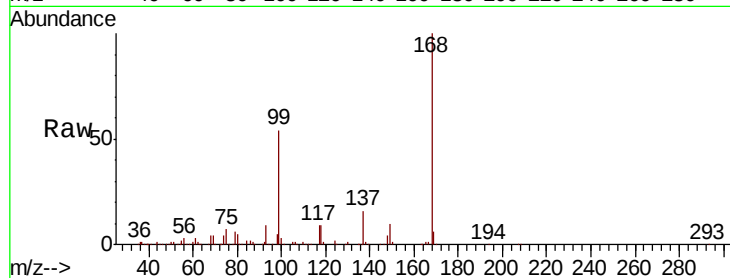
Tot Ion: 56 Resp: 7449

Ion Ratio Lower Upper

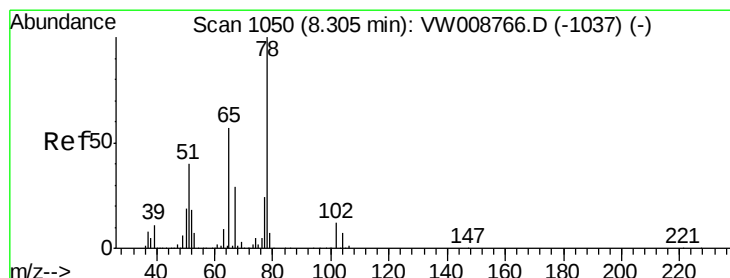
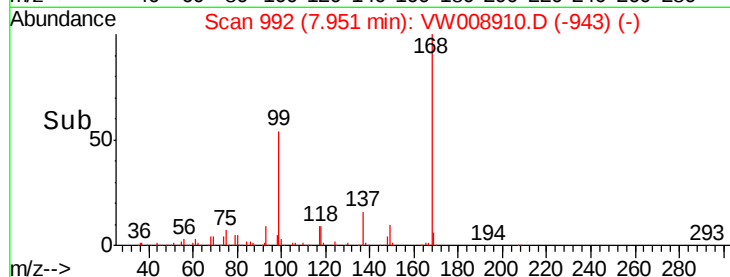
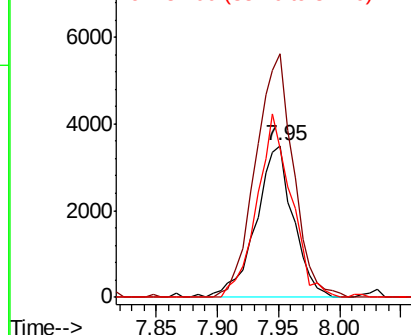
56 100

69 160.4 28.2 42.4#

84 97.7 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: 61.914 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008910.D

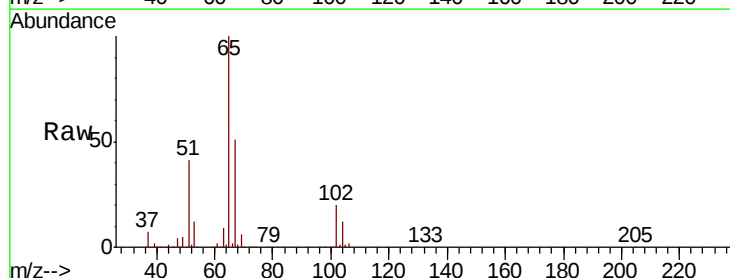
Acq: 01 Mar 2019 03:09

Tgt Ion: 65 Resp: 181058

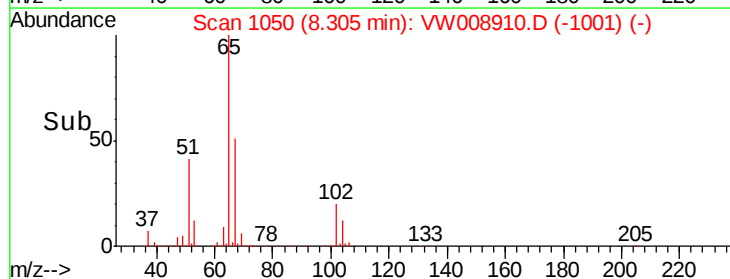
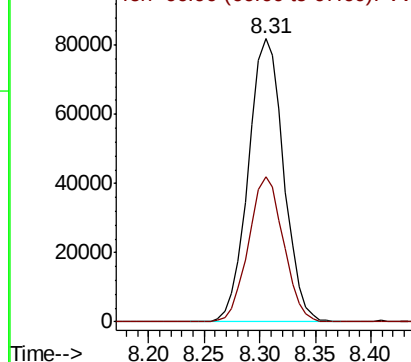
Ion Ratio Lower Upper

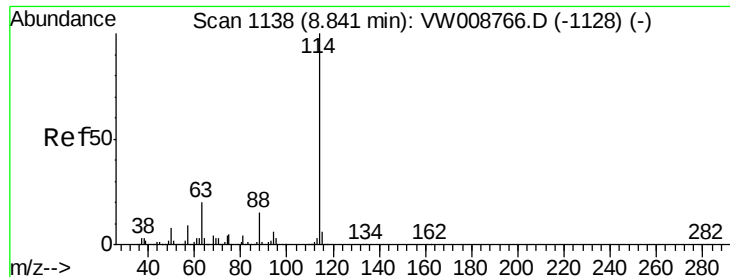
65 100

67 50.7 0.0 101.4



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

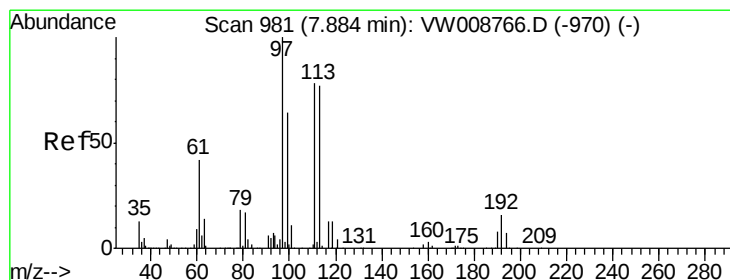
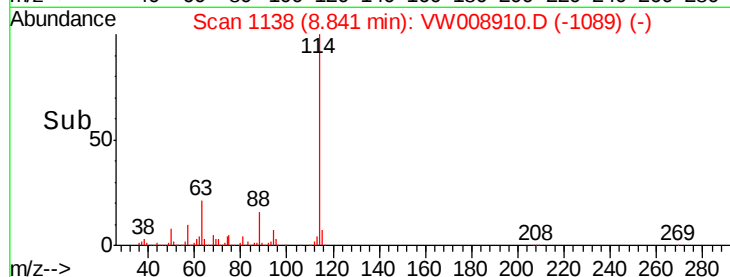
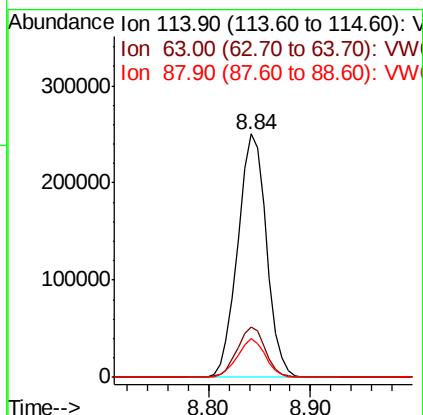
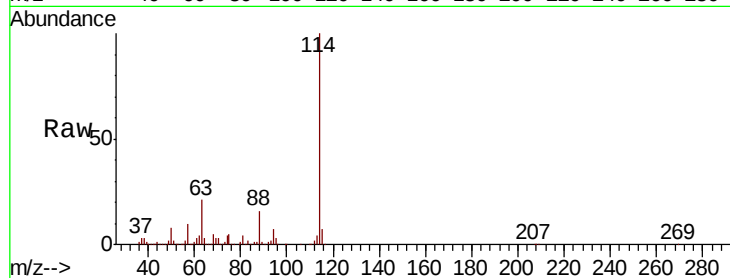




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008910.D
 Acq: 01 Mar 2019 03:09

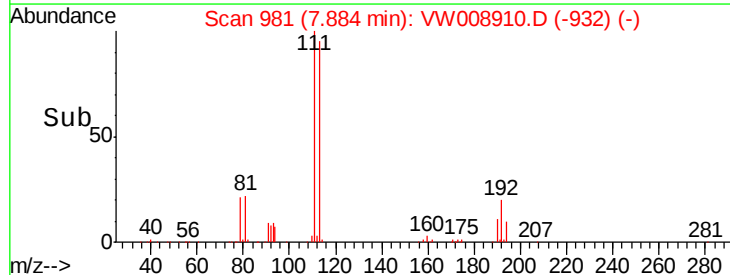
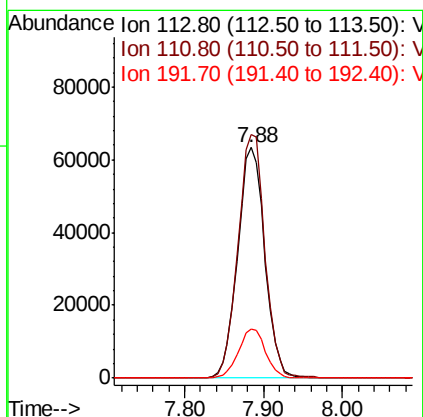
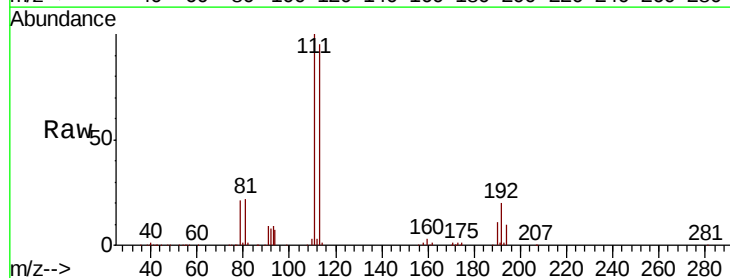
Instrument :
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 200051

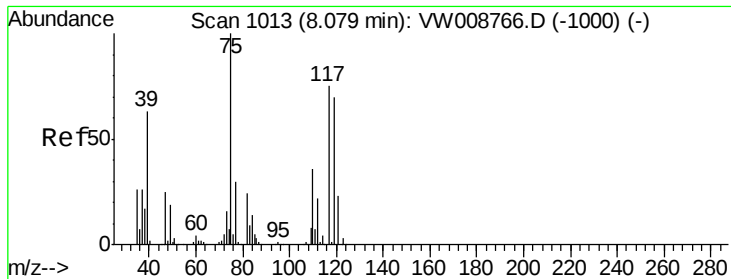
Tot Ion:114 Resp: 487489
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 15.7 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 51.931 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008910.D
 Acq: 01 Mar 2019 03:09

Tgt Ion:113 Resp: 151999
 Ion Ratio Lower Upper
 113 100
 111 104.6 81.9 122.9
 192 21.2 17.1 25.7

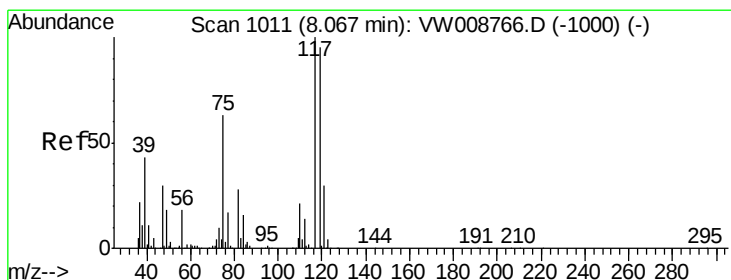
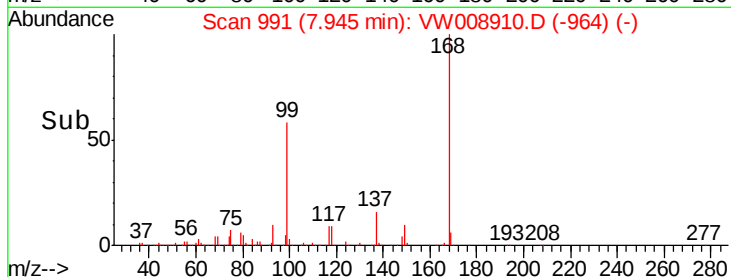
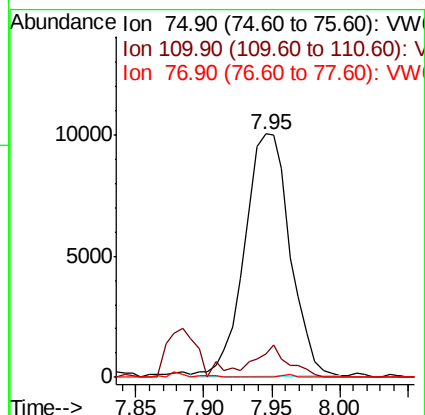
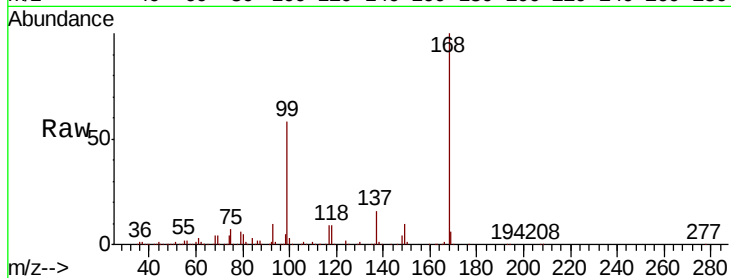




#36
 1,1-Dichloropropene
 Concen: 4.938 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008910.D
 Acq: 01 Mar 2019 03:09

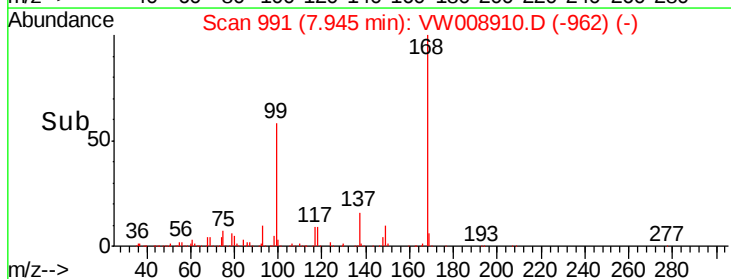
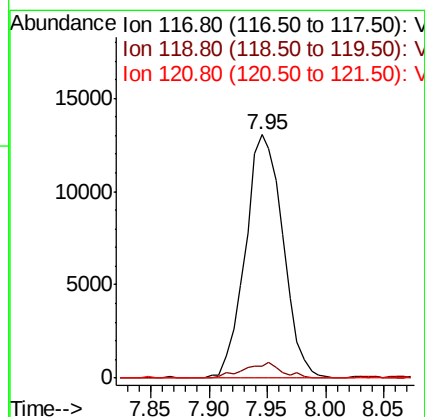
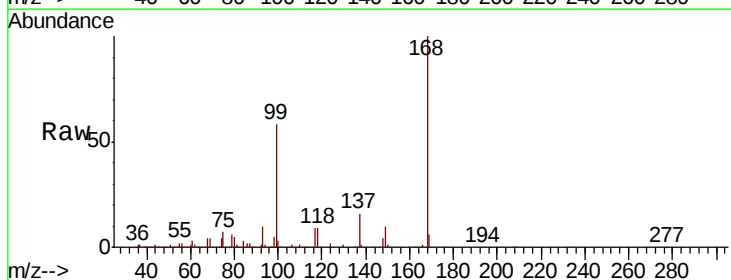
Instrument :
 MSVOA_W
 ClientSampled :
 200051

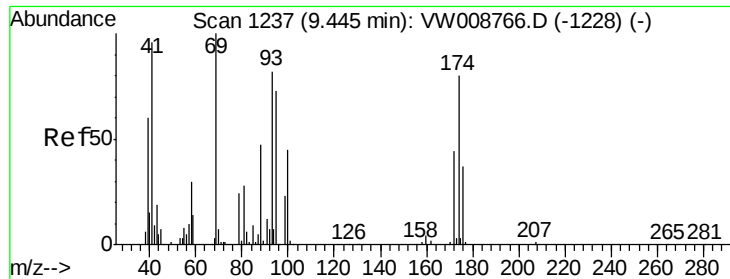
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.5	52.6#
77	0.3	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 5.889 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008910.D
 Acq: 01 Mar 2019 03:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.1	114.1#
121	0.0	24.0	36.0#

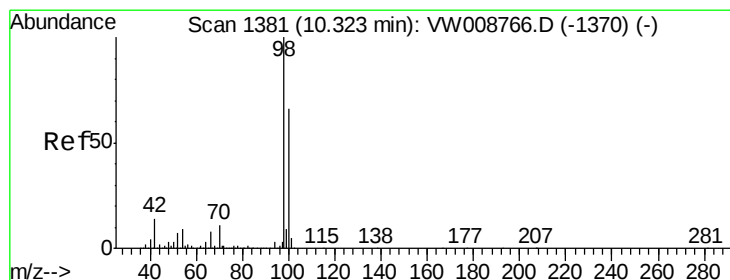
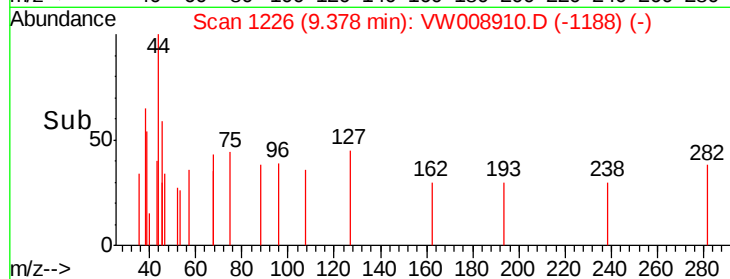
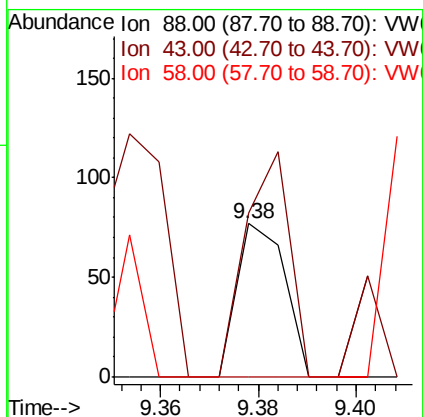
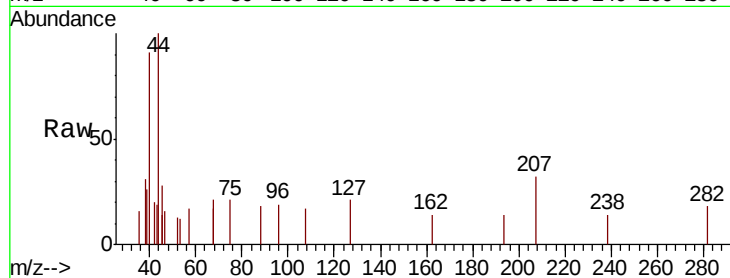




#49
1,4-Dioxane
Concen: 1.823 ug/l
RT: 9.38 min Scan# 1226
Delta R.T. -0.07 min
Lab File: VW008910.D
Acq: 01 Mar 2019 03:09

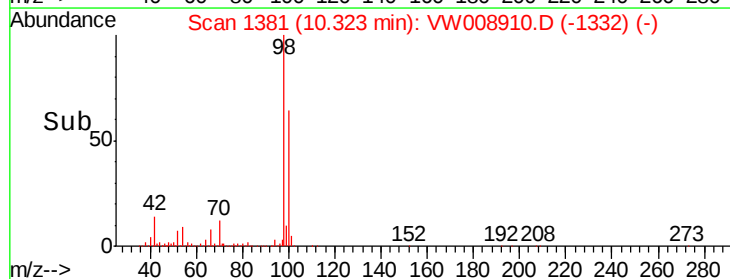
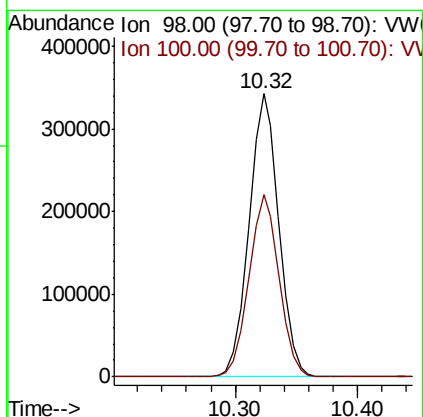
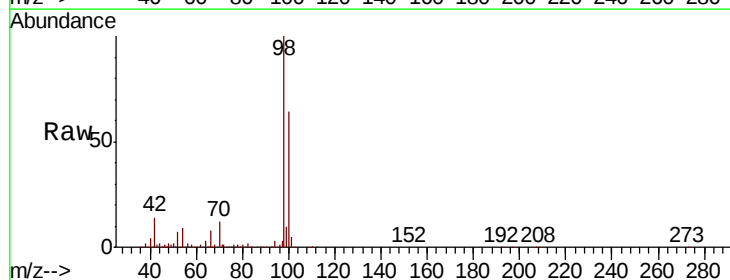
Instrument :
MSVOA_W
ClientSampled :
200051

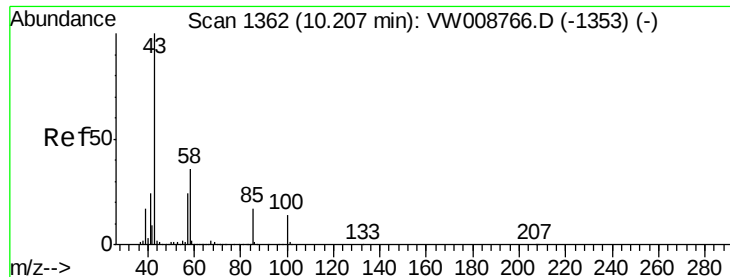
Tot Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 136.5 29.0 43.4#
58 0.0 52.0 78.0#



#50
Toluene-d8
Concen: 51.272 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008910.D
Acq: 01 Mar 2019 03:09

Tgt Ion: 98 Resp: 579315
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 1.271 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW008910.D

Acq: 01 Mar 2019 03:09

Instrument :

MSVOA_W

ClientSampleId :

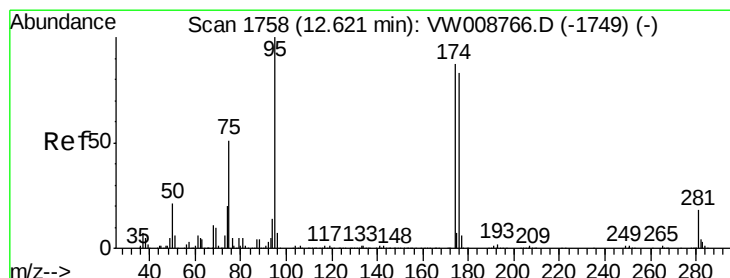
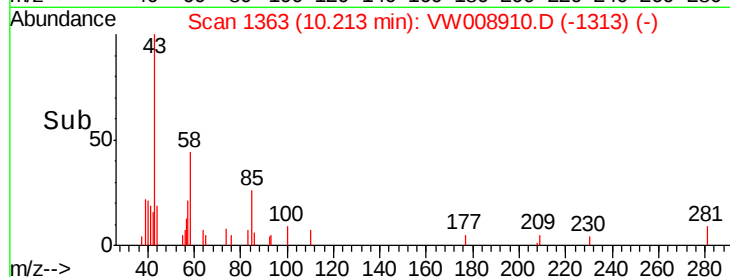
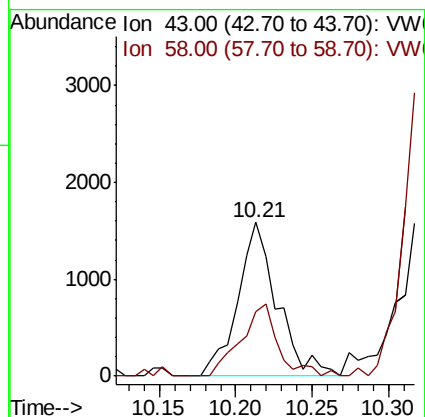
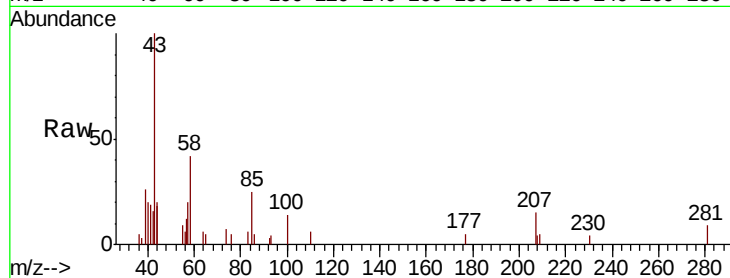
200051

Tot Ion: 43 Resp: 2841

Ion Ratio Lower Upper

43 100

58 44.5 29.1 43.7#



#62

4-Bromofluorobenzene

Concen: 45.133 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008910.D

Acq: 01 Mar 2019 03:09

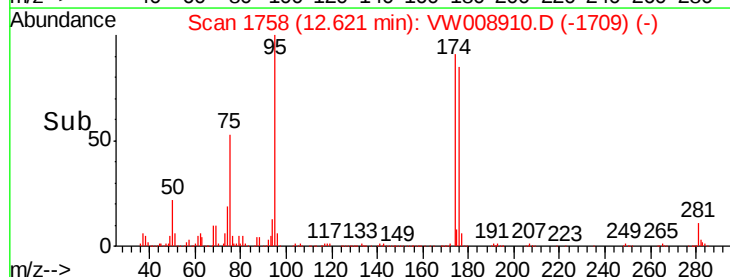
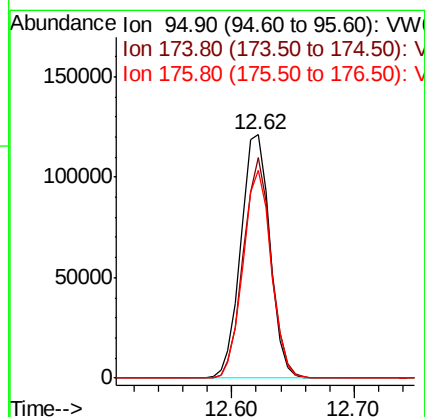
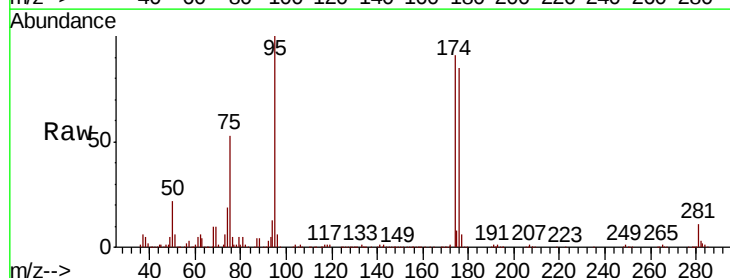
Tgt Ion: 95 Resp: 199669

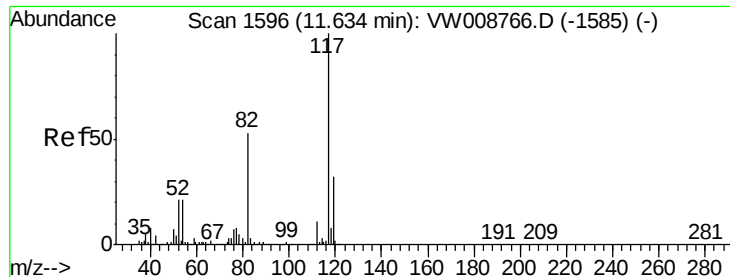
Ion Ratio Lower Upper

95 100

174 86.6 0.0 169.2

176 83.2 0.0 163.6

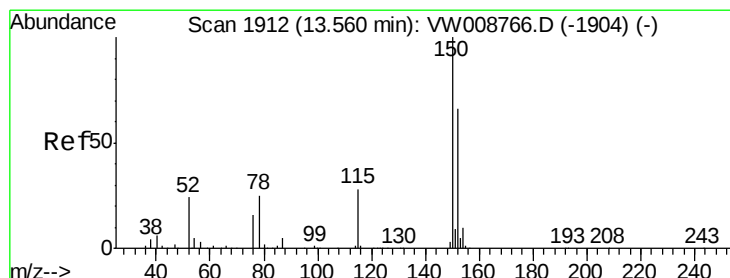
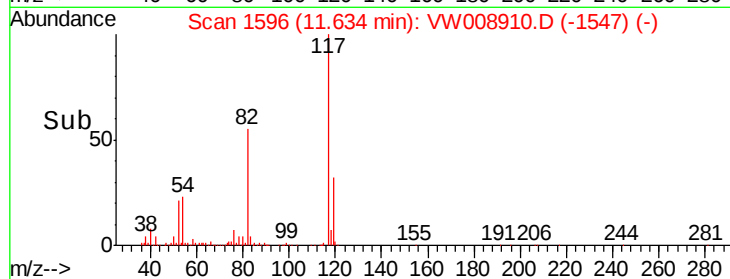
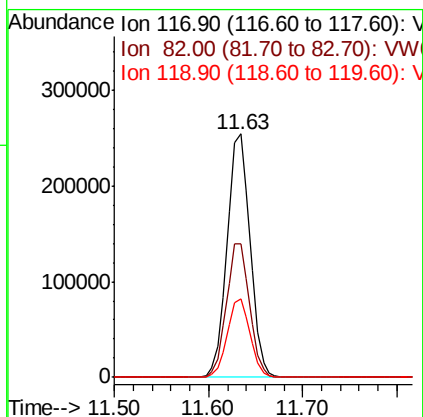
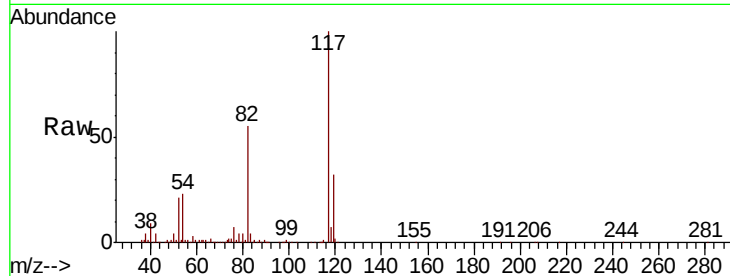




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008910.D
Acq: 01 Mar 2019 03:09

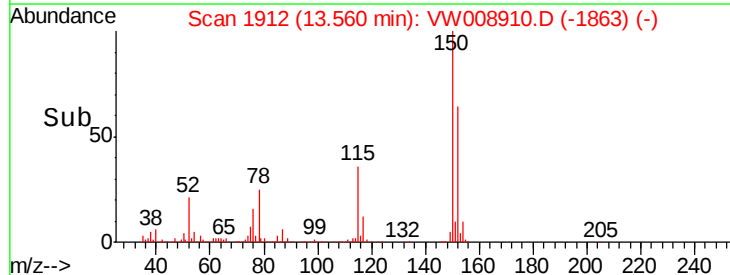
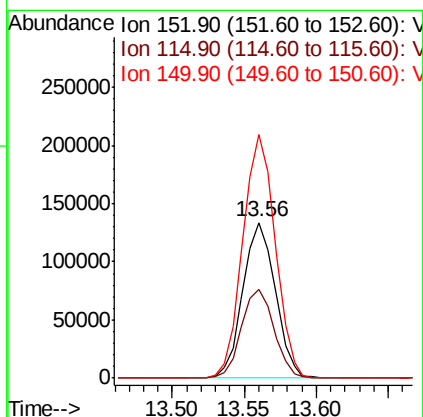
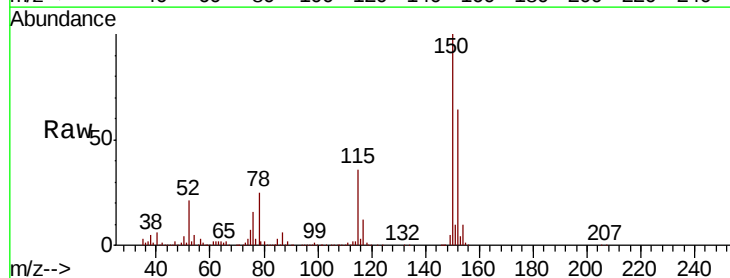
Instrument :
MSVOA_W
ClientSampleId :
200051

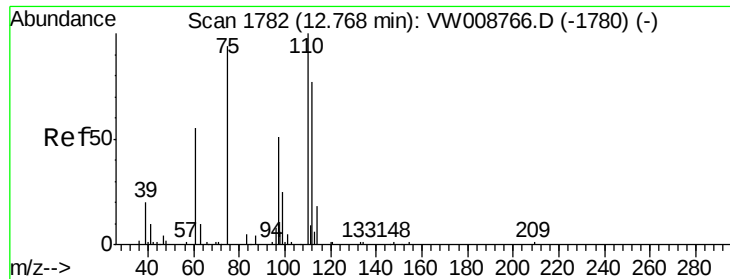
Tot Ion:117 Resp: 431613
Ion Ratio Lower Upper
117 100
82 54.9 42.2 63.4
119 32.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008910.D
Acq: 01 Mar 2019 03:09

Tgt Ion:152 Resp: 208863
Ion Ratio Lower Upper
152 100
115 57.0 28.6 85.8
150 156.2 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 60.958 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008910.D

Acq: 01 Mar 2019 03:09

Instrument :

MSVOA_W

ClientSampleId :

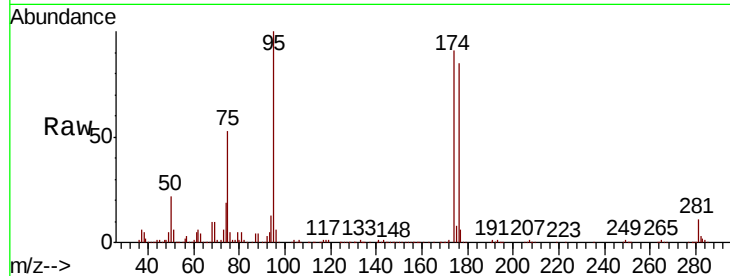
200051

Tot Ion: 75 Resp: 105119

Ion Ratio Lower Upper

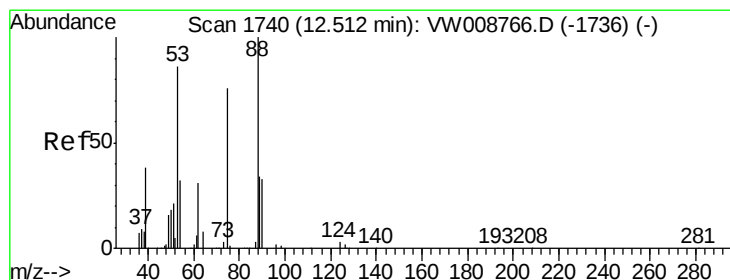
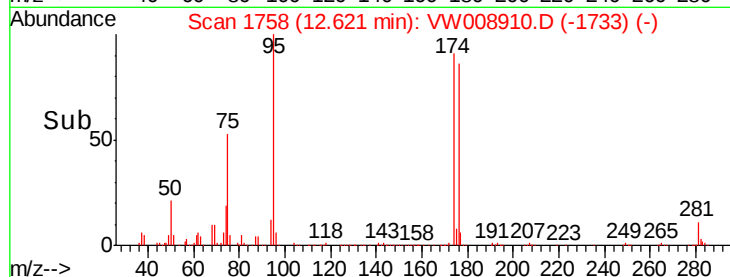
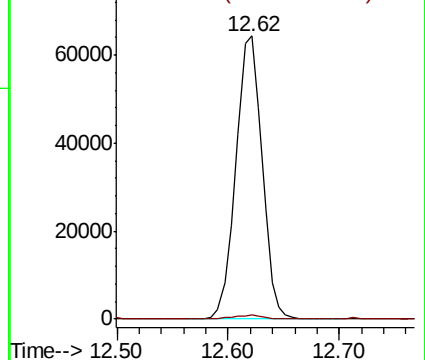
75 100

77 1.7 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: 148.194 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008910.D

Acq: 01 Mar 2019 03:09

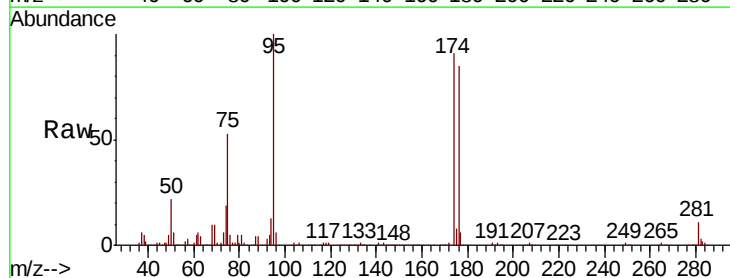
Tgt Ion: 75 Resp: 105119

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

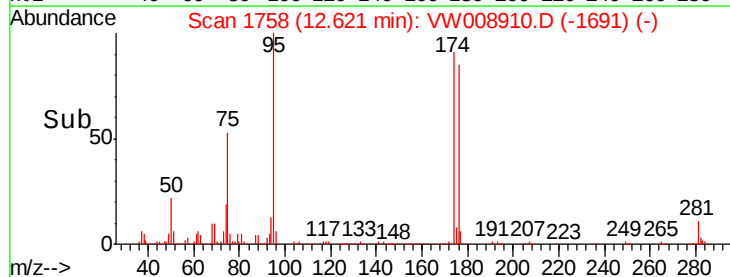
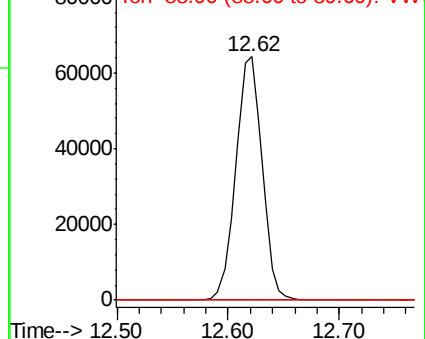
89 0.2 39.5 59.3#

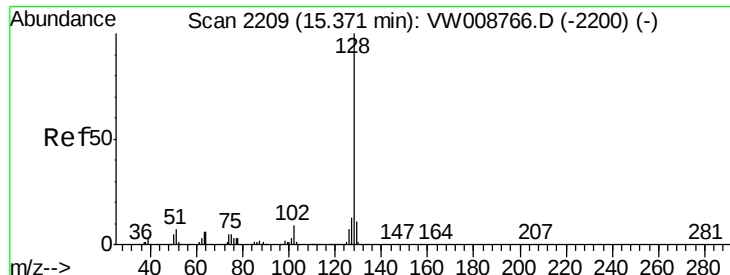


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95
Naphthalene
Concen: 111.621 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008910.D
Acq: 01 Mar 2019 03:09

Instrument :
MSVOA_W
ClientSampleId :
200051

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.8	16.2
129	11.0	8.7	13.1

