

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008863.D
 Acq On : 27 Feb 2019 19:03
 Operator : SY/VA
 Sample : K1638-05
 Misc : 5.07G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 28 07:04:34 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	18032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	24933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	24499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	8258	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	11310	66.87	ug/l	0.00
Spiked Amount			Recovery	=	133.74%	
35) Dibromofluoromethane	7.88	113	9445	63.09	ug/l	0.00
Spiked Amount			Recovery	=	126.18%	
50) Toluene-d8	10.32	98	30543	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
62) 4-Bromofluorobenzene	12.62	95	9440	41.72	ug/l	0.00
Spiked Amount			Recovery	=	83.44%	

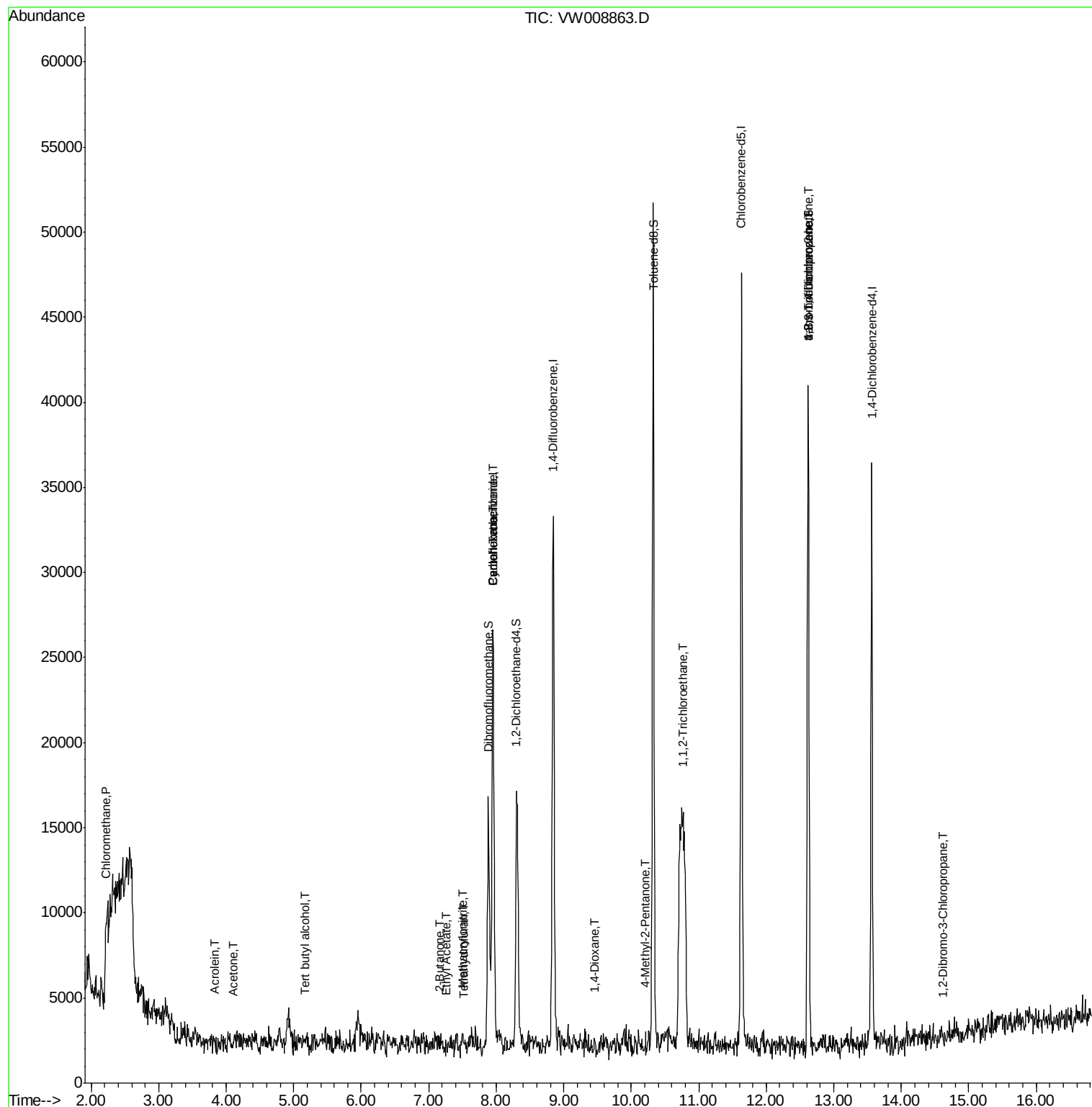
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.22	50	970	4.412	ug/l	95
11) Tert butyl alcohol	5.17	59	19	1.262	ug/l #	1
13) Acrolein	3.83	56	49	22.621	ug/l #	1
16) Acetone	4.10	43	394	10.051	ug/l #	45
25) 2-Butanone	7.16	43	123	2.244	ug/l #	51
29) Tetrahydrofuran	7.52	42	169	4.839	ug/l #	46
31) Cyclohexane	7.95	56	599	1.879	ug/l #	61
37) Ethyl Acetate	7.26	43	151	1.338	ug/l #	60
38) Carbon Tetrachloride	7.95	117	1751	6.841	ug/l #	20
41) Methacrylonitrile	7.50	41	142	2.140	ug/l #	21
49) 1,4-Dioxane	9.45	88	36	24.680	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	211	1.845	ug/l #	38
55) 1,1,2-Trichloroethane	10.77	97	327	2.647	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	5512	80.844	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	5512	196.538	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.63	75	37	2.211	ug/l	62

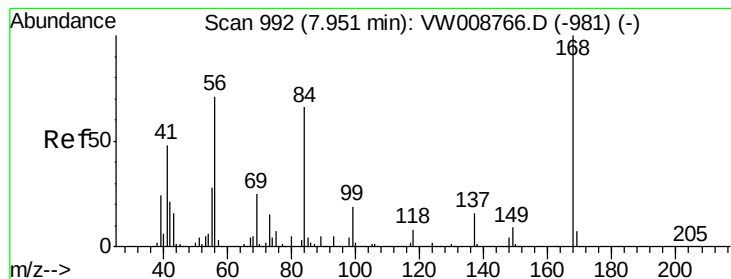
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022719\
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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008863.D

Acq: 27 Feb 2019 19:03

Instrument :

MSVOA_W

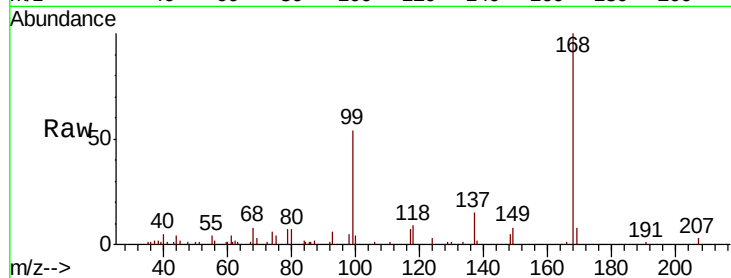
ClientSampled :

Tot Ion:168 Resp: 18032

Ion Ratio Lower Upper

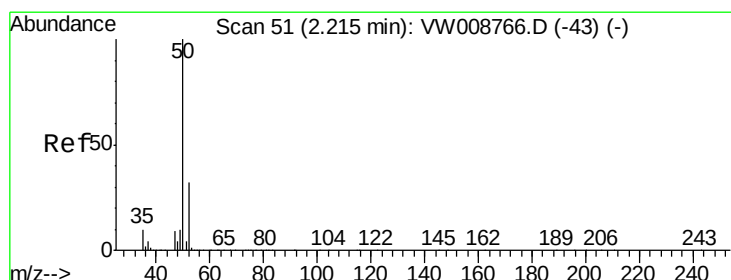
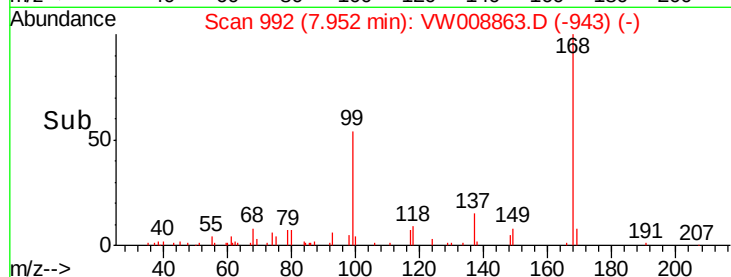
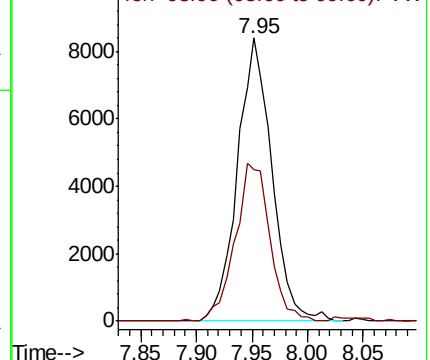
168 100

99 53.5 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 4.412 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW008863.D

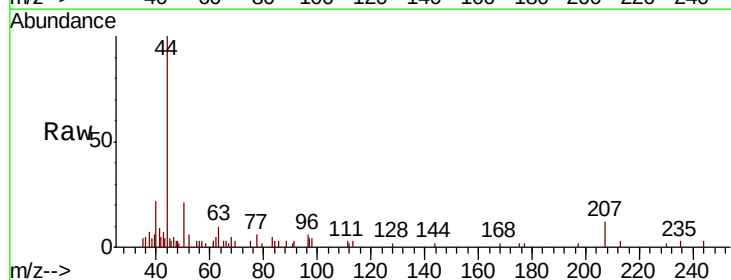
Acq: 27 Feb 2019 19:03

Tgt Ion: 50 Resp: 970

Ion Ratio Lower Upper

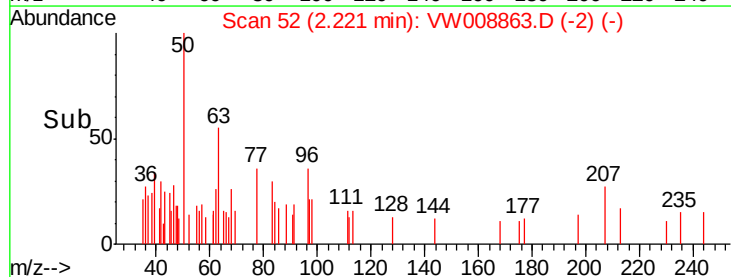
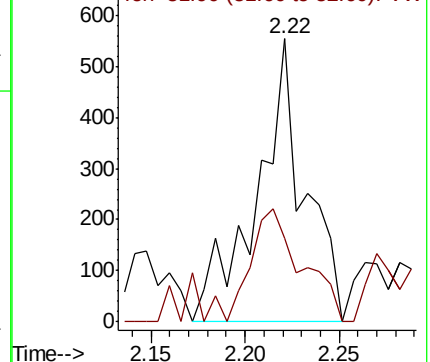
50 100

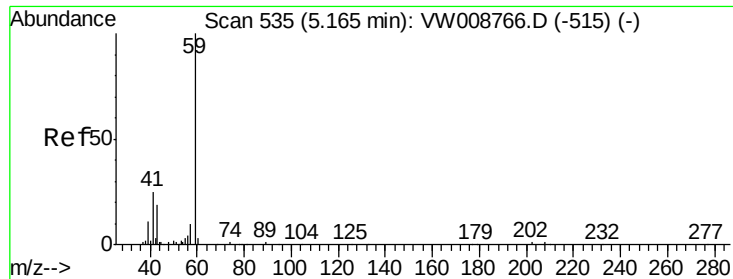
52 29.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

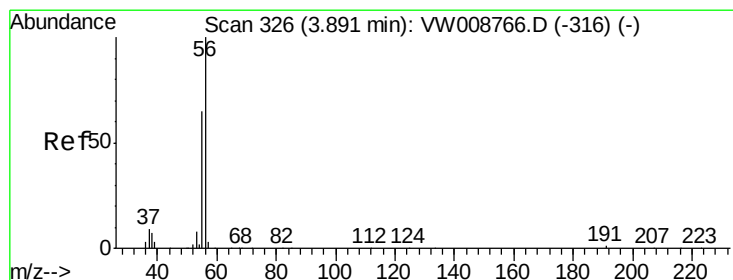
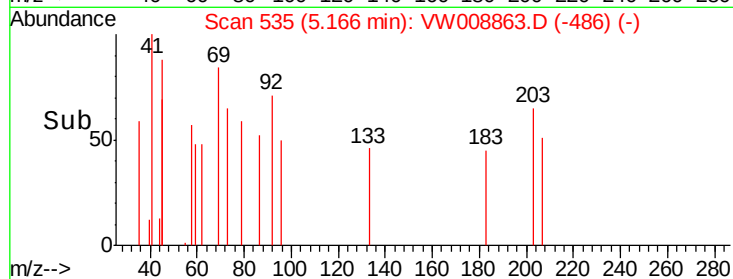
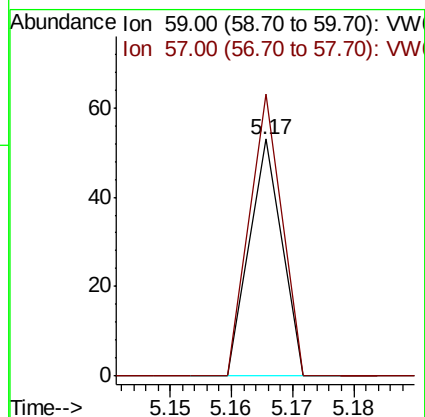
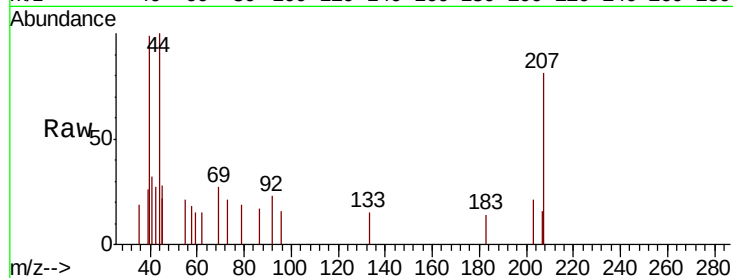




#11
Tert butyl alcohol
Concen: 1.262 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW008863.D
Acq: 27 Feb 2019 19:03

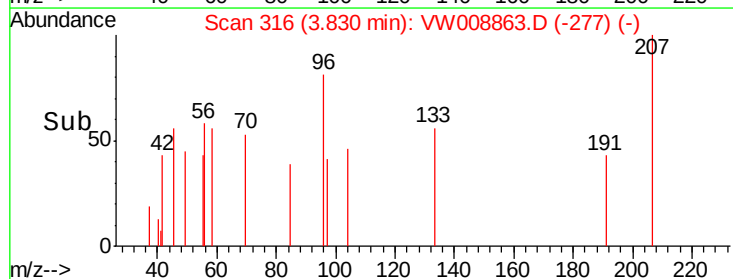
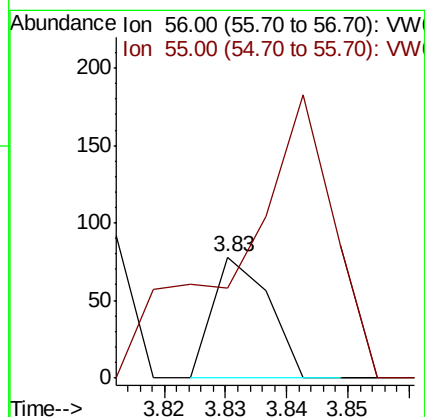
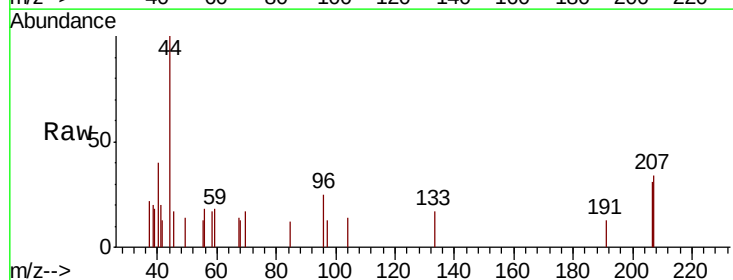
Instrument :
MSVOA_W
ClientSampled :

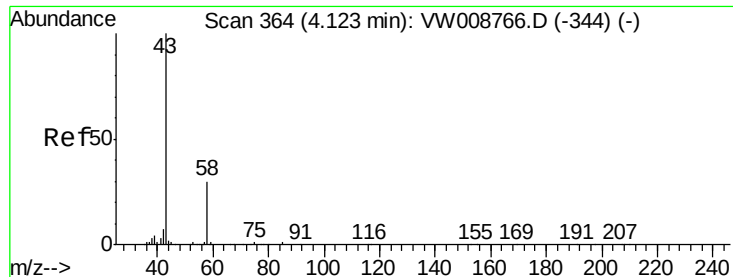
Tot Ion: 59 Resp: 19
Ion Ratio Lower Upper
59 100
57 121.1 9.3 13.9#



#13
Acrolein
Concen: 22.621 ug/l
RT: 3.83 min Scan# 316
Delta R.T. -0.06 min
Lab File: VW008863.D
Acq: 27 Feb 2019 19:03

Tgt Ion: 56 Resp: 49
Ion Ratio Lower Upper
56 100
55 408.2 56.9 85.3#

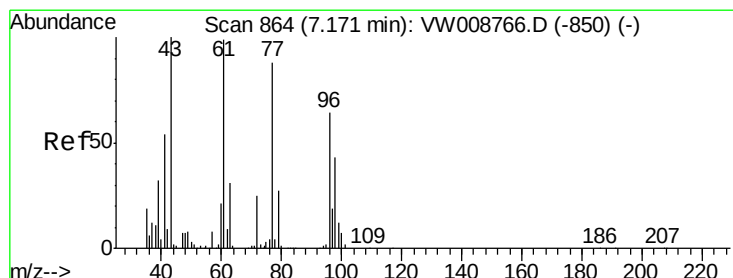
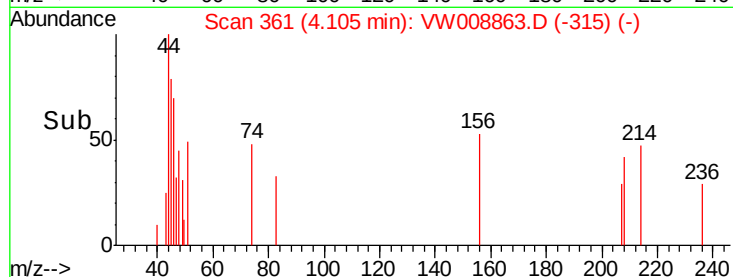
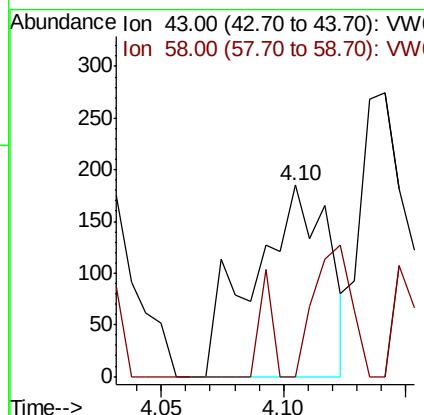
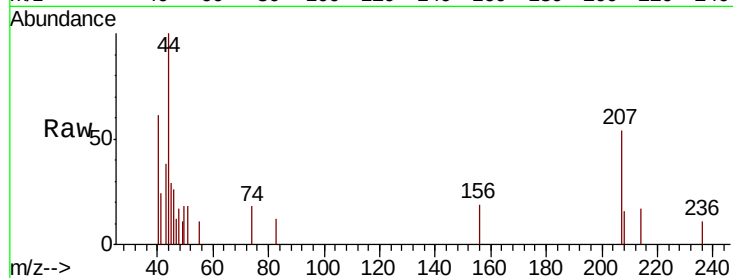




#16
Acetone
Concen: 10.051 ug/l
RT: 4.10 min Scan# 361
Delta R.T. -0.02 min
Lab File: VW008863.D
Acq: 27 Feb 2019 19:03

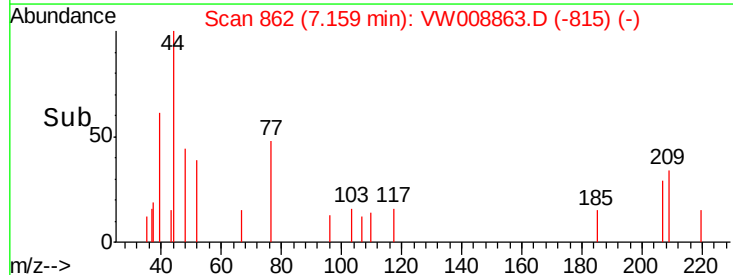
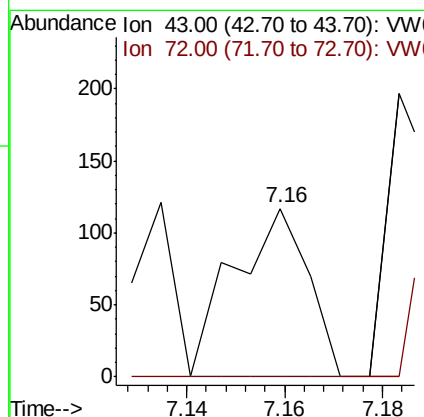
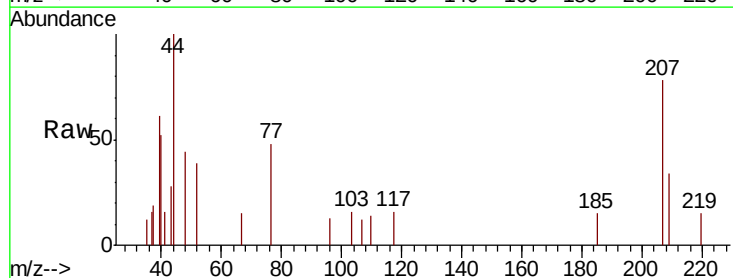
Instrument :
MSVOA_W
ClientSampled :

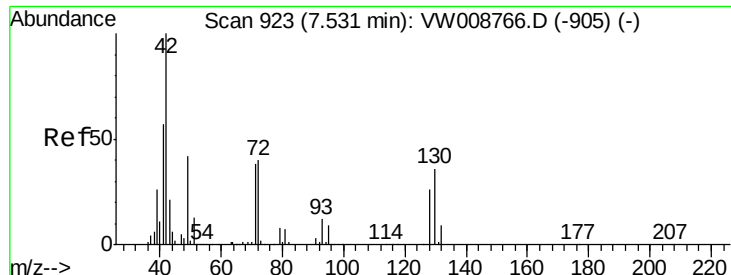
Tot Ion: 43 Resp: 394
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#



#25
2-Butanone
Concen: 2.244 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008863.D
Acq: 27 Feb 2019 19:03

Tgt Ion: 43 Resp: 123
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#

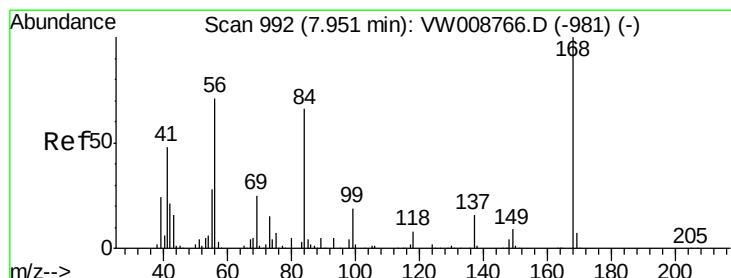
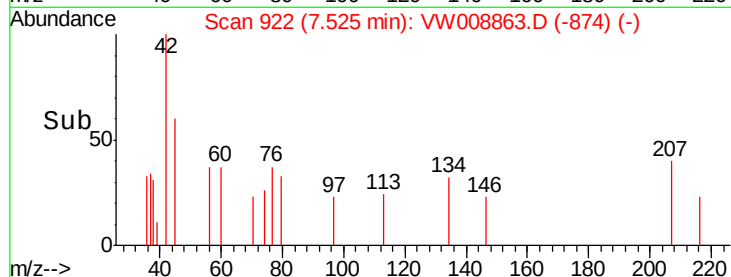
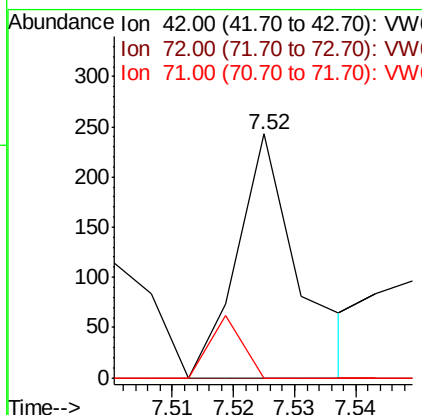
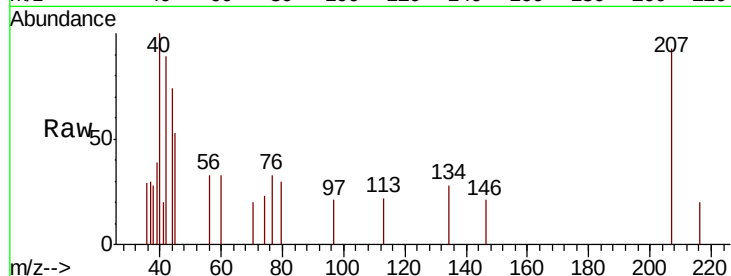




#29
Tetrahydrofuran
Concen: 4.839 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008863.D
Acq: 27 Feb 2019 19:03

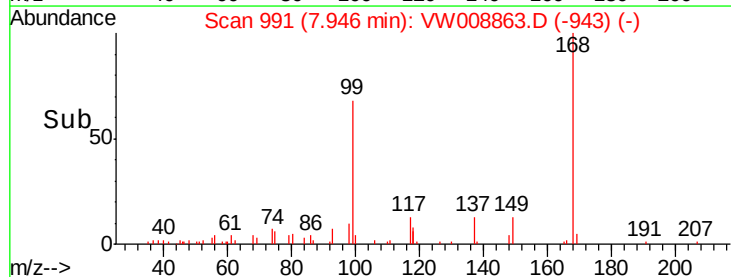
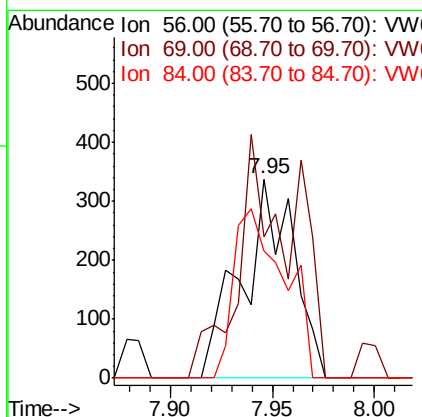
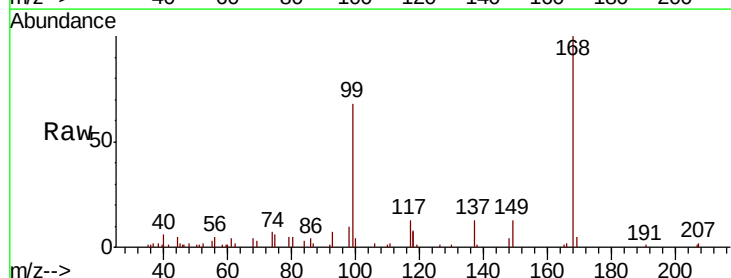
Instrument :
MSVOA_W
ClientSampleId :

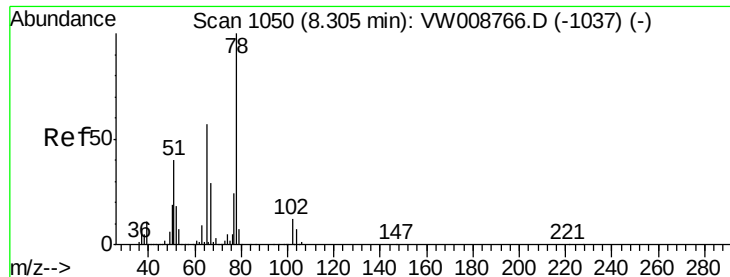
Tot Ion: 42 Resp: 169
Ion Ratio Lower Upper
42 100
72 0.0 32.7 49.1#
71 13.6 31.3 46.9#



#31
Cyclohexane
Concen: 1.879 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008863.D
Acq: 27 Feb 2019 19:03

Tgt Ion: 56 Resp: 599
Ion Ratio Lower Upper
56 100
69 71.0 28.2 42.4#
84 63.9 74.1 111.1#

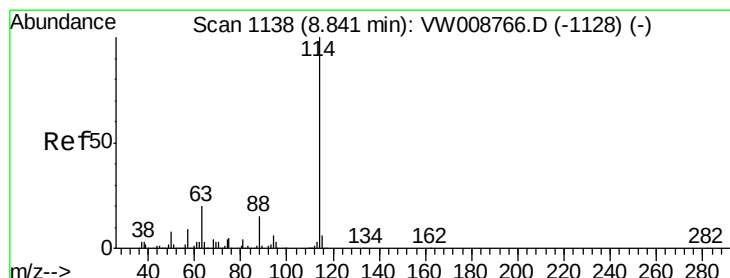
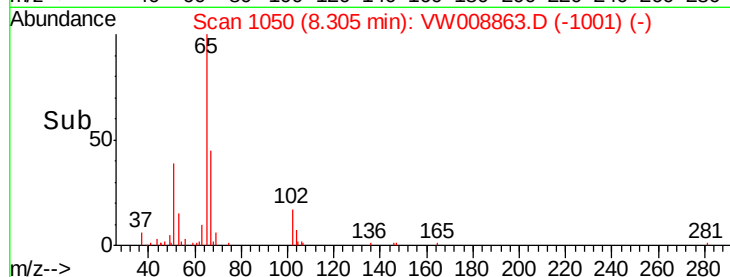
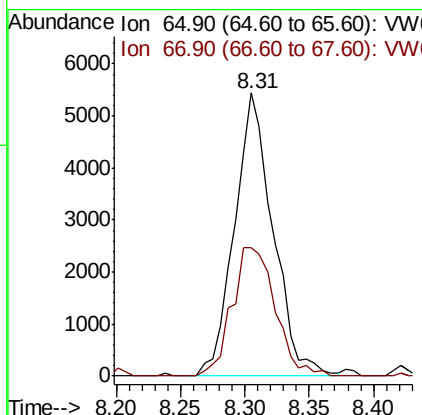
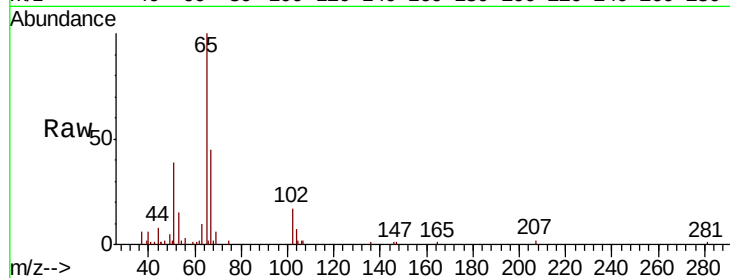




#33
 1,2-Dichloroethane-d4
 Concen: 66.874 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008863.D
 Acq: 27 Feb 2019 19:03

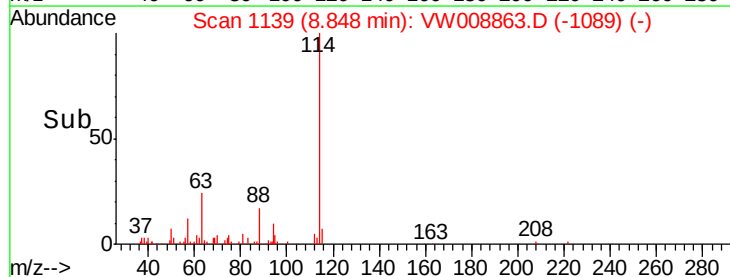
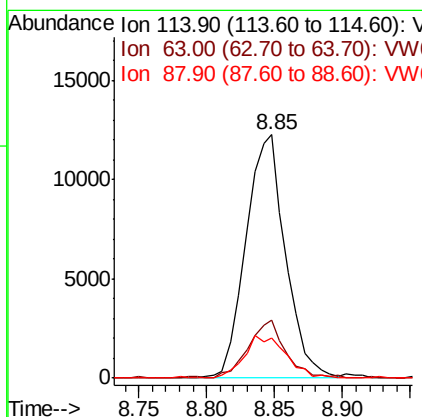
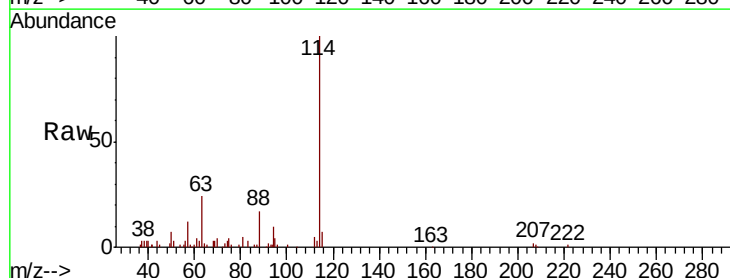
Instrument :
 MSVOA_W
 ClientSampleId :

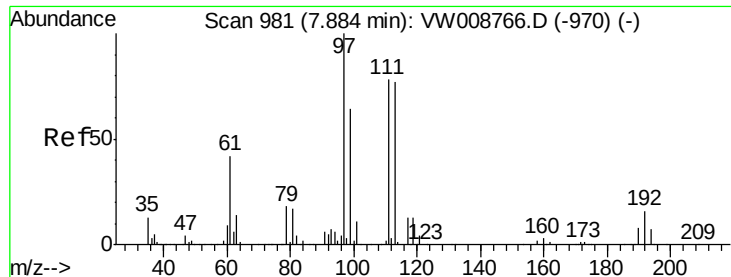
Tot Ion: 65 Resp: 11310
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW008863.D
 Acq: 27 Feb 2019 19:03

Tgt Ion: 114 Resp: 24933
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 40.8
 88 16.6 0.0 30.4

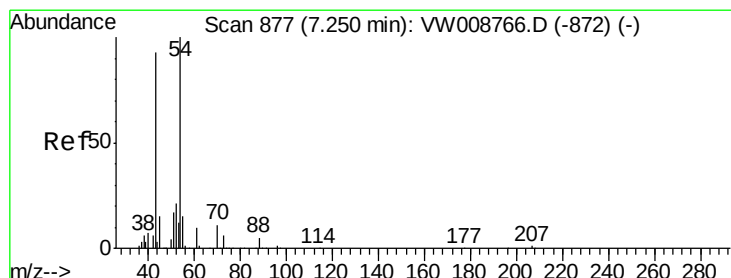
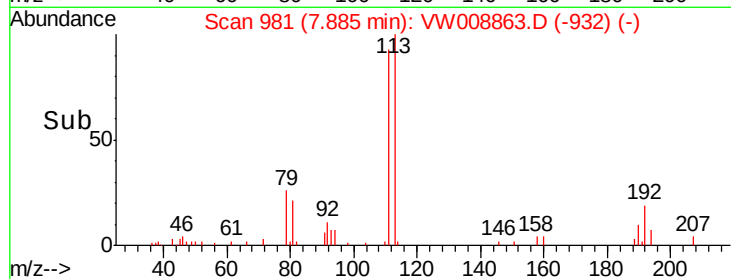
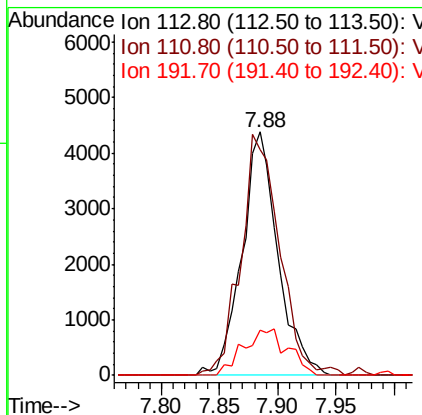
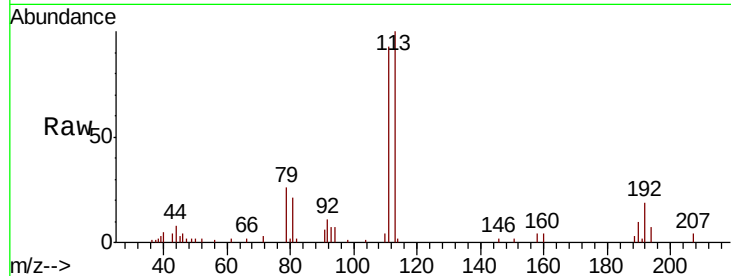




#35
 Dibromofluoromethane
 Concen: 63.093 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008863.D
 Acq: 27 Feb 2019 19:03

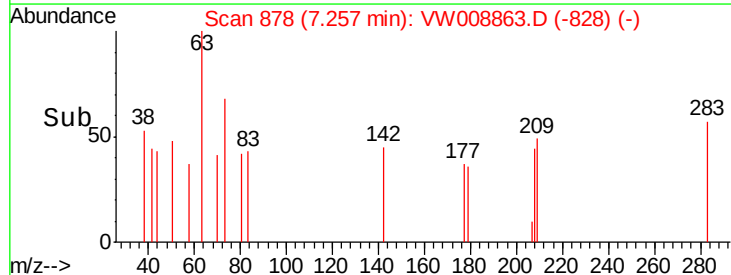
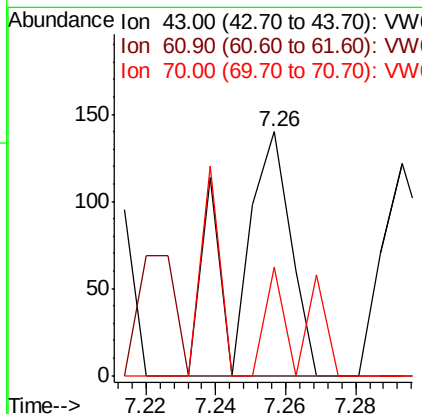
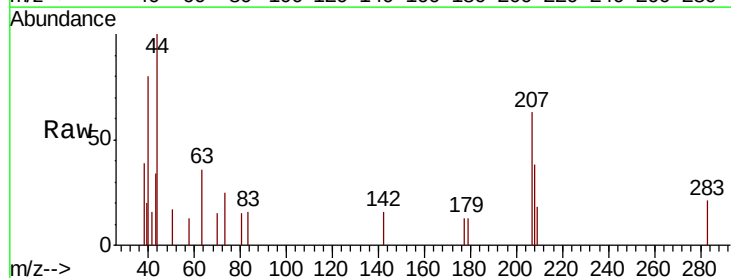
Instrument :
 MSVOA_W
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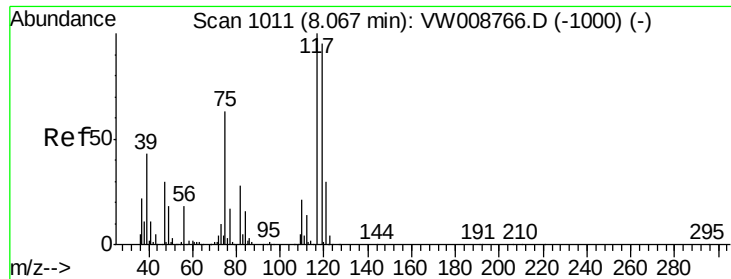
Tot Ion:113 Resp: 9445
 Ion Ratio Lower Upper
 113 100
 111 106.5 81.9 122.9
 192 23.1 17.1 25.7



#37
 Ethyl Acetate
 Concen: 1.338 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. 0.01 min
 Lab File: VW008863.D
 Acq: 27 Feb 2019 19:03

Tgt Ion: 43 Resp: 151
 Ion Ratio Lower Upper
 43 100
 61 0.0 9.8 14.8#
 70 29.1 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 6.841 ug/l

RT: 7.95 min Scan# 991

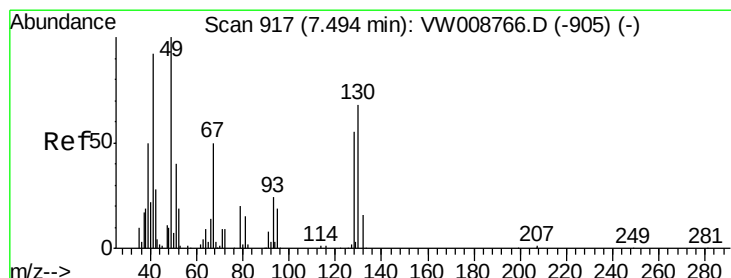
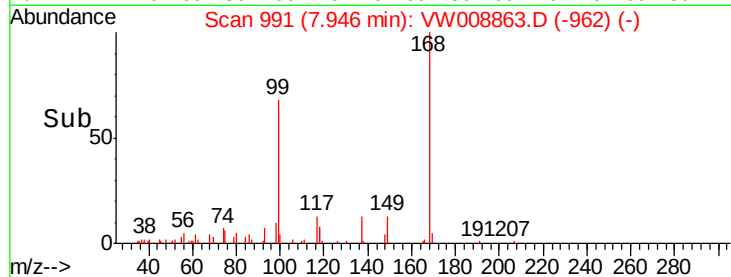
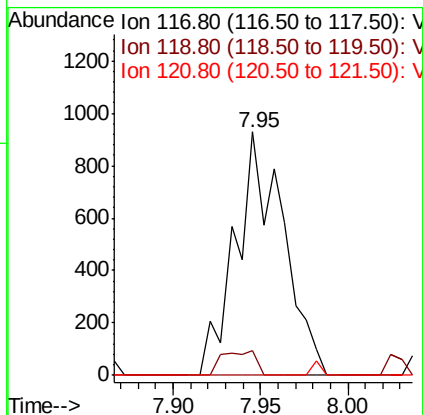
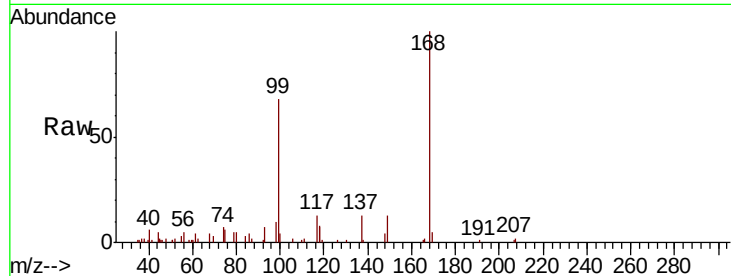
Delta R.T. -0.12 min

Lab File: VW008863.D

Acq: 27 Feb 2019 19:03

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	117	Resp:	1751
Ion	Ratio	Lower	Upper
117	100		
119	10.2	76.1	114.1#
121	0.0	24.0	36.0#



#41

Methacrylonitrile

Concen: 2.140 ug/l

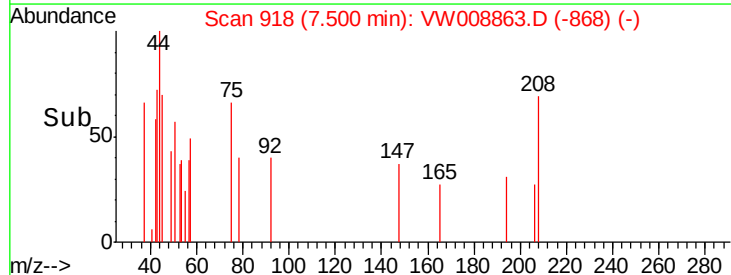
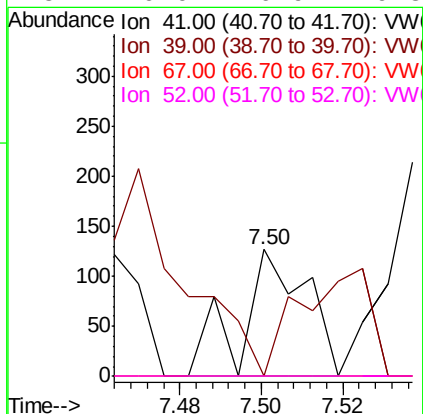
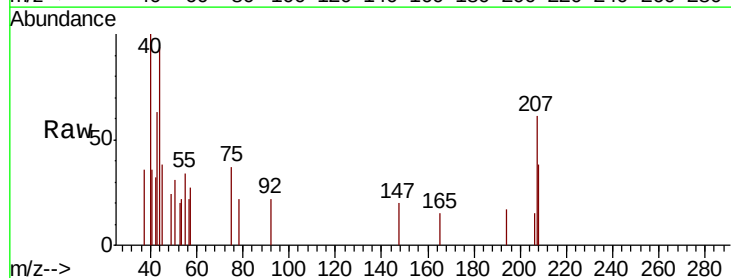
RT: 7.50 min Scan# 918

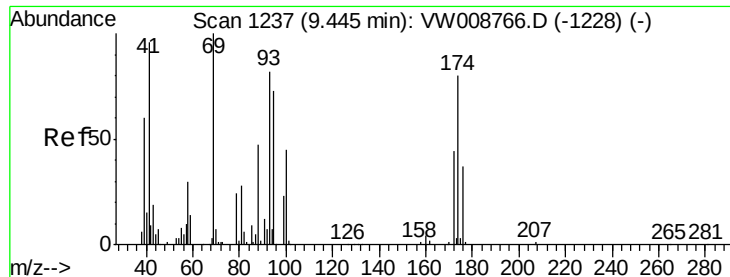
Delta R.T. 0.01 min

Lab File: VW008863.D

Acq: 27 Feb 2019 19:03

Tgt Ion:	41	Resp:	142
Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.5	78.7#
67	0.0	55.0	82.6#
52	0.0	26.9	40.3#

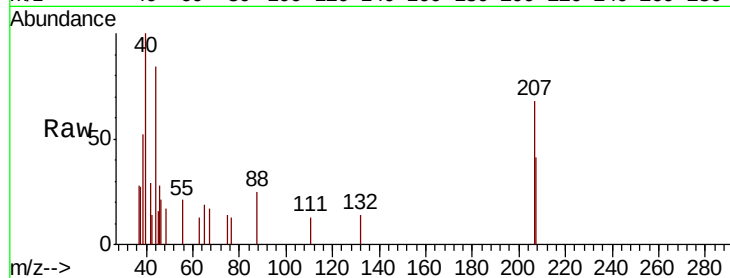




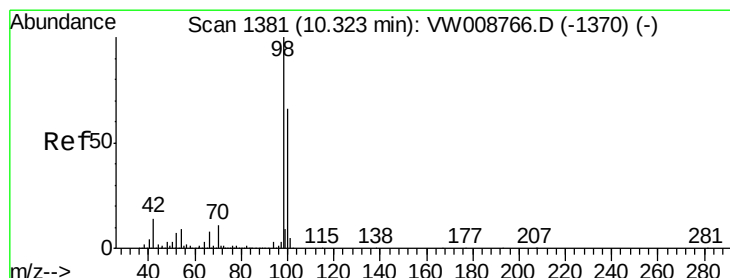
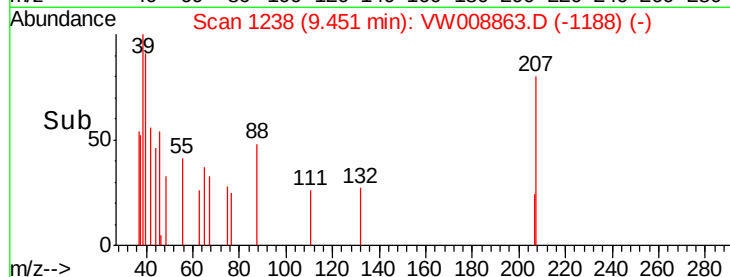
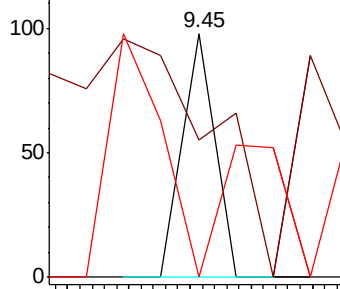
#49
1,4-Dioxane
Concen: 24.680 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008863.D
Acq: 27 Feb 2019 19:03

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 36
Ion Ratio Lower Upper
88 100
43 144.4 29.0 43.4#
58 105.6 52.0 78.0#

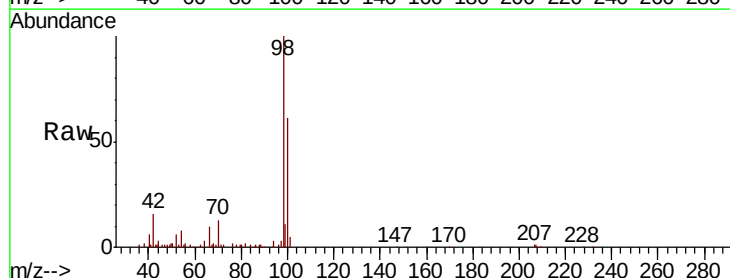


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

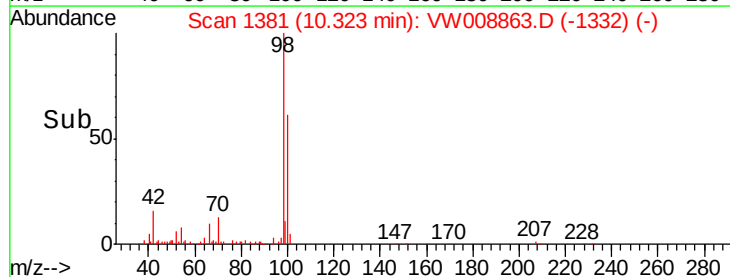
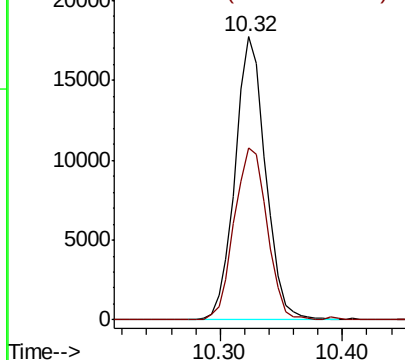


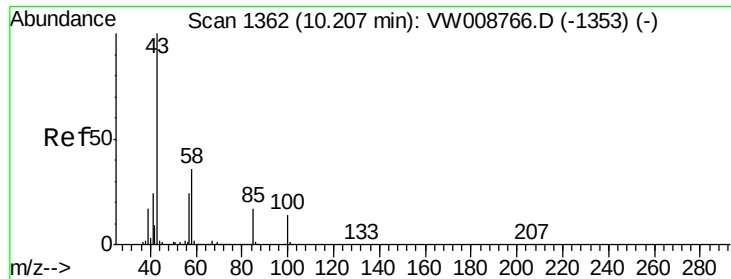
#50
Toluene-d8
Concen: 52.853 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008863.D
Acq: 27 Feb 2019 19:03

Tgt Ion: 98 Resp: 30543
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





#51

4-Methyl-2-Pentanone

Concen: 1.845 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW008863.D

Acq: 27 Feb 2019 19:03

Instrument :

MSVOA_W

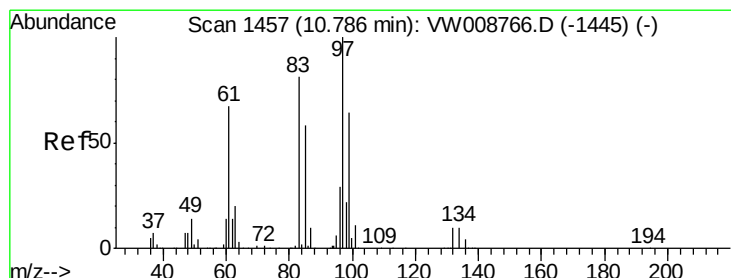
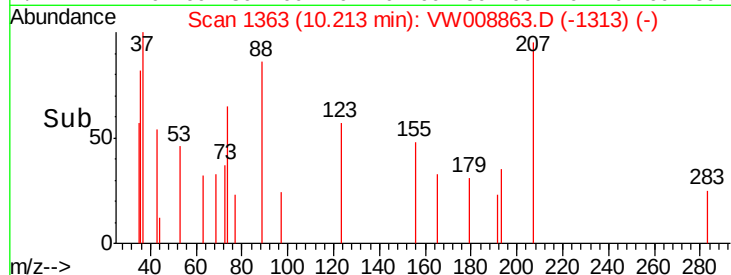
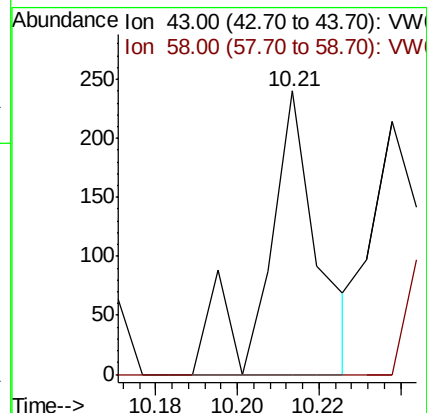
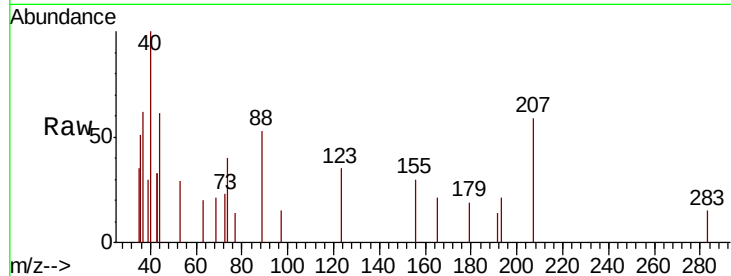
ClientSampled :

Tot Ion: 43 Resp: 211

Ion Ratio Lower Upper

43 100

58 0.0 29.1 43.7#



#55

1,1,2-Trichloroethane

Concen: 2.647 ug/l

RT: 10.77 min Scan# 1454

Delta R.T. -0.02 min

Lab File: VW008863.D

Acq: 27 Feb 2019 19:03

Tgt Ion: 97 Resp: 327

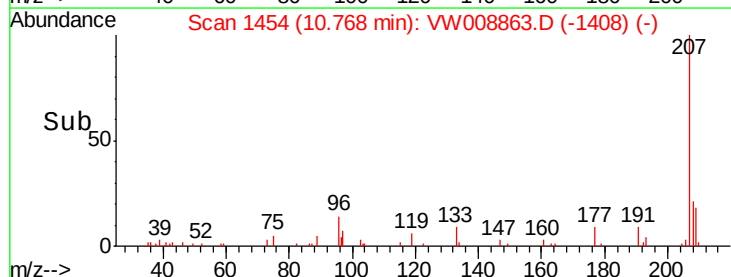
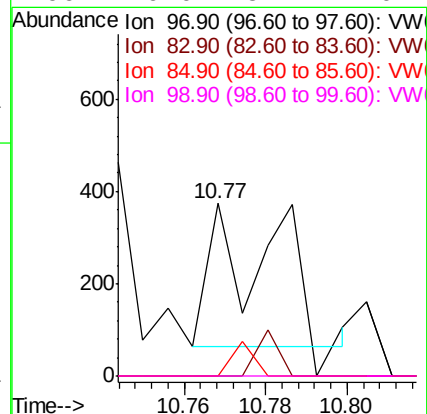
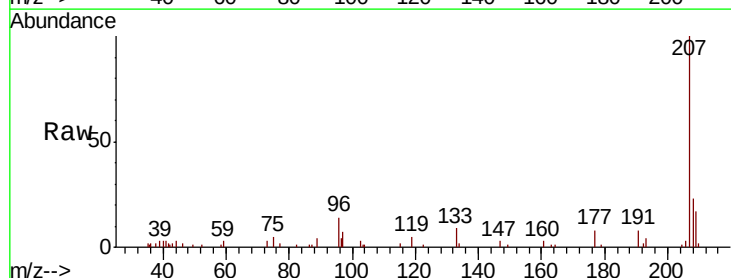
Ion Ratio Lower Upper

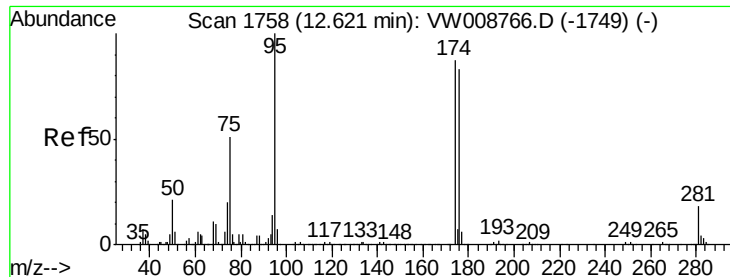
97 100

83 0.0 65.0 97.6#

85 0.0 46.0 69.0#

99 0.0 51.1 76.7#





#62

4-Bromofluorobenzene

Concen: 41.720 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008863.D

Acq: 27 Feb 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

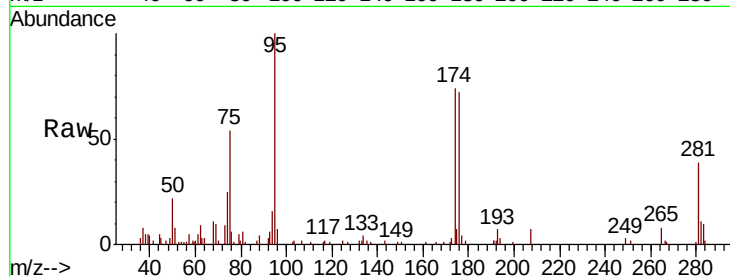
Tot Ion: 95 Resp: 9440

Ion Ratio Lower Upper

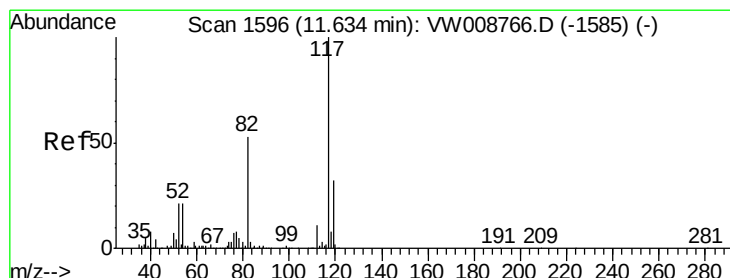
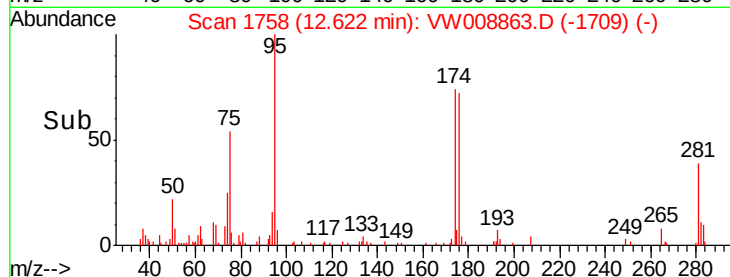
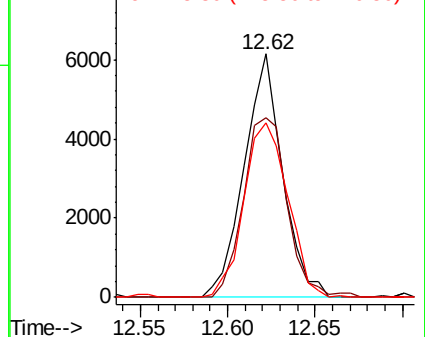
95 100

174 84.1 0.0 169.2

176 82.4 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: VW008863.D

Acq: 27 Feb 2019 19:03

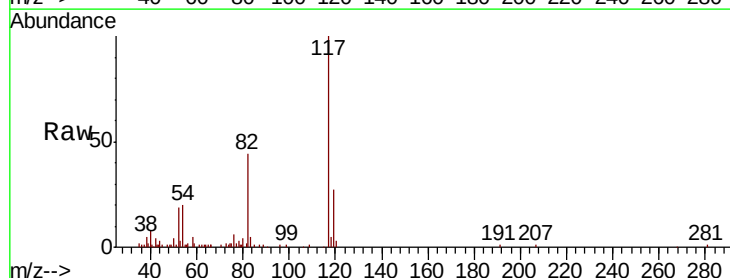
Tgt Ion: 117 Resp: 24499

Ion Ratio Lower Upper

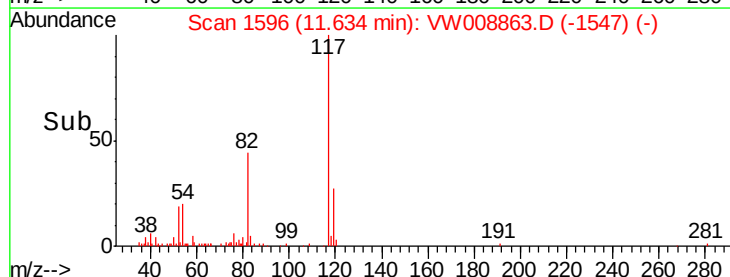
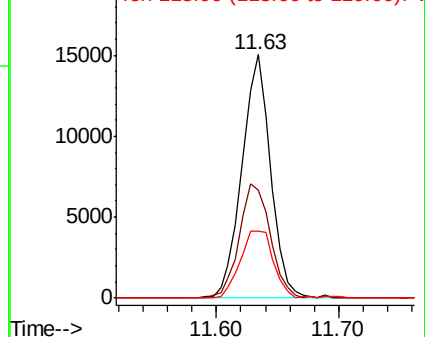
117 100

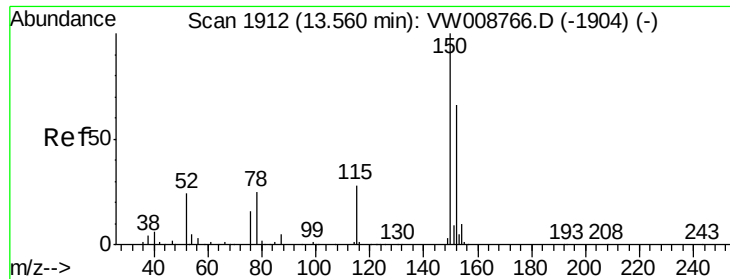
82 44.4 42.2 63.4

119 27.3 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: VW008863.D

Acq: 27 Feb 2019 19:03

Instrument :

MSVOA_W

ClientSampled :

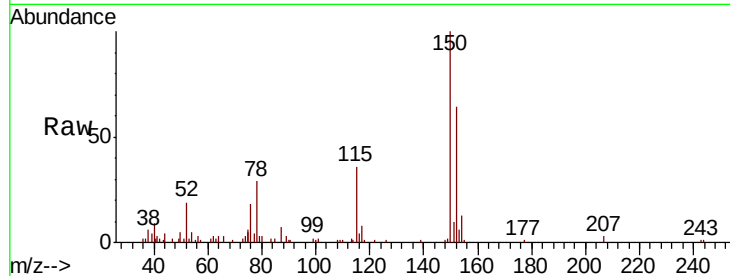
Tot Ion:152 Resp: 8258

Ion Ratio Lower Upper

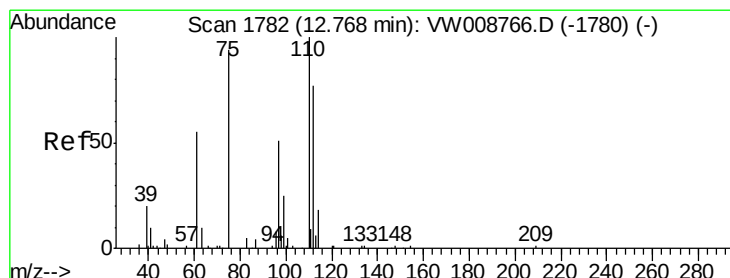
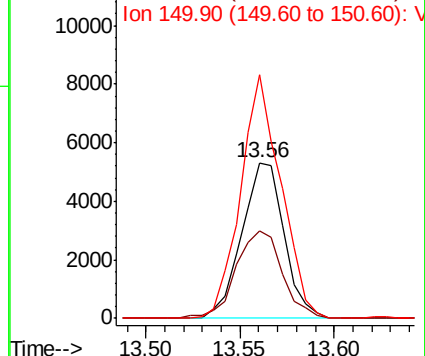
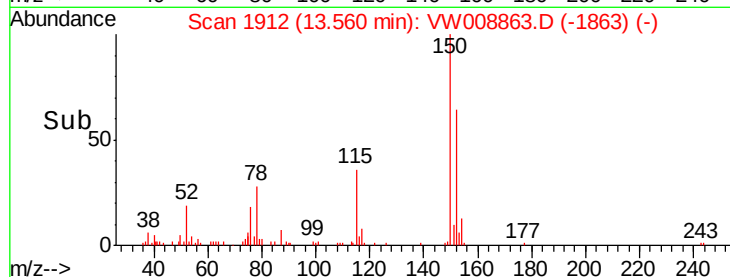
152 100

115 61.1 28.6 85.8

150 148.6 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: 80.844 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008863.D

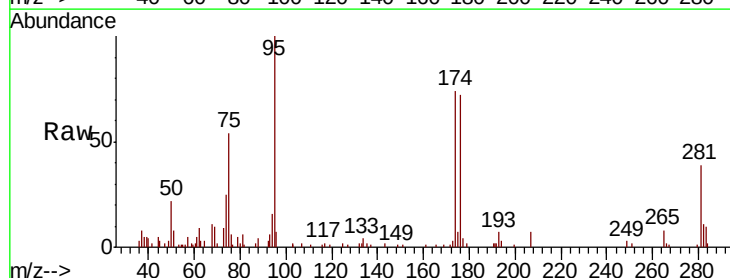
Acq: 27 Feb 2019 19:03

Tgt Ion: 75 Resp: 5512

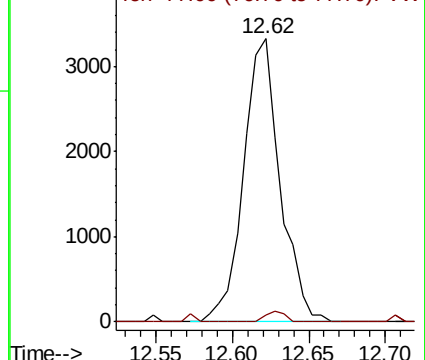
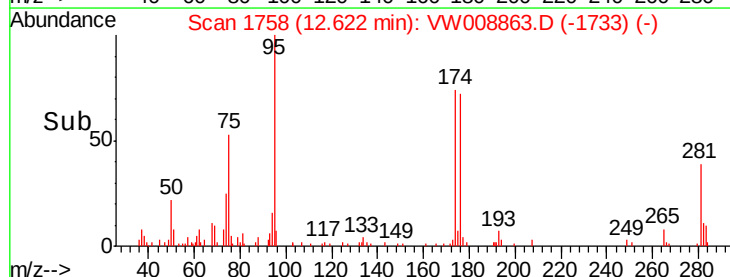
Ion Ratio Lower Upper

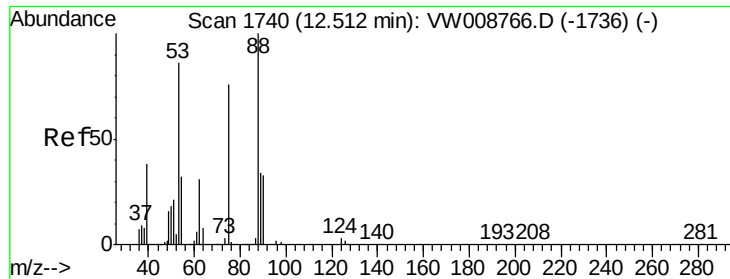
75 100

77 2.1 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: 196.538 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008863.D

Acq: 27 Feb 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

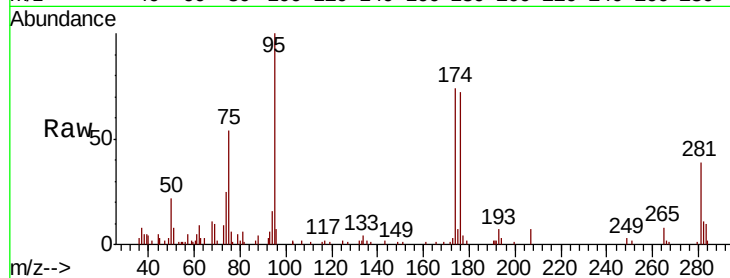
Tot Ion: 75 Resp: 5512

Ion Ratio Lower Upper

75 100

53 0.4 88.2 132.2#

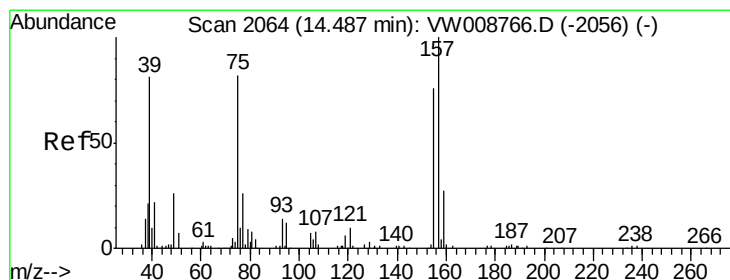
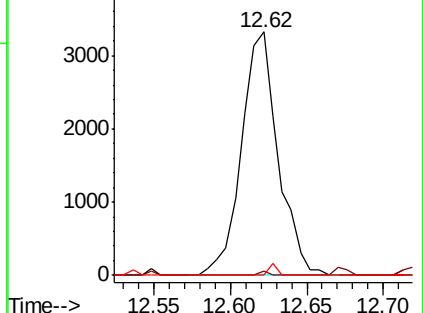
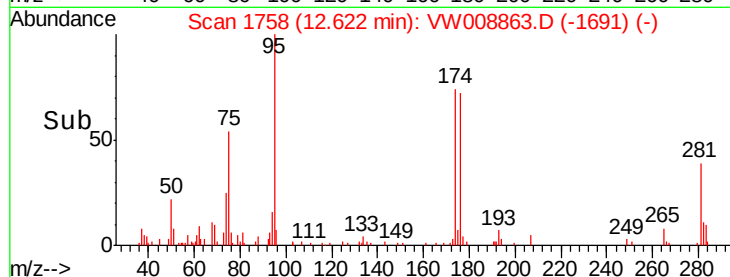
89 1.1 39.5 59.3#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.211 ug/l

RT: 14.63 min Scan# 2087

Delta R.T. 0.14 min

Lab File: VW008863.D

Acq: 27 Feb 2019 19:03

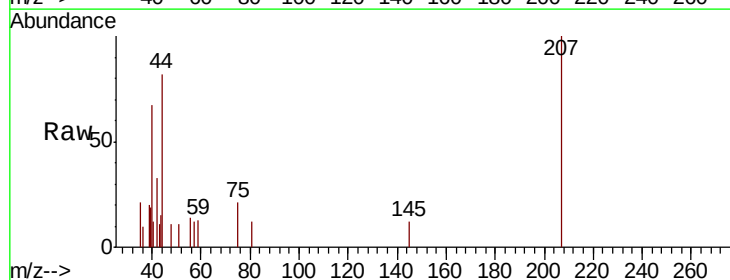
Tgt Ion: 75 Resp: 37

Ion Ratio Lower Upper

75 100

155 64.9 41.8 125.4

157 59.5 56.6 169.9



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

