

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008862.D
 Acq On : 27 Feb 2019 18:36
 Operator : SY/VA
 Sample : K1638-04
 Misc : 5.06G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 28 07:04:21 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	338712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	520069	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	465979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	222225	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	194679	61.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.56%	
35) Dibromofluoromethane	7.88	113	165662	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
50) Toluene-d8	10.32	98	616169	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.62	95	212887	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	

Target Compounds

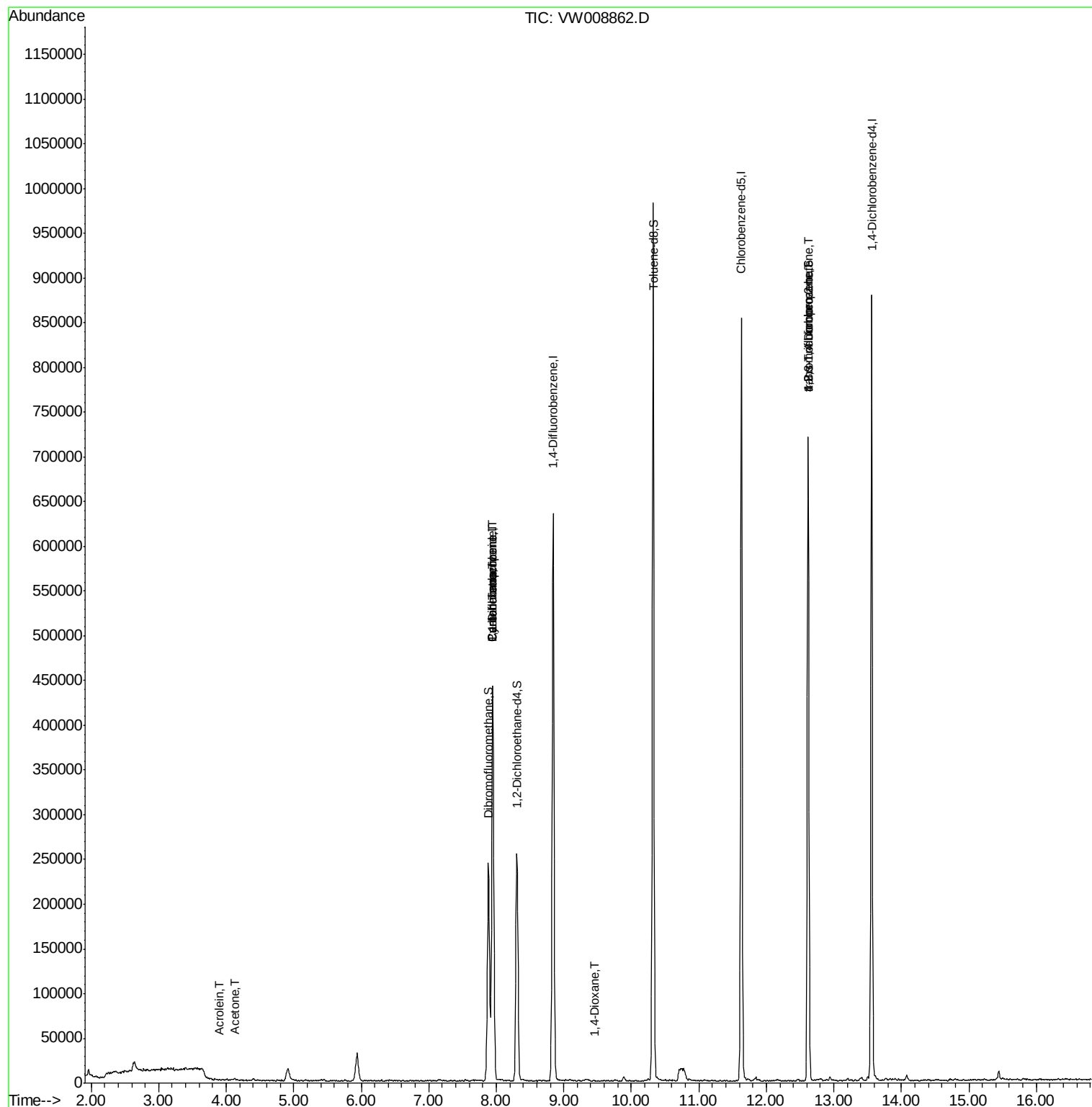
					Qvalue	
13) Acrolein	3.89	56	271	20.616	ug/l #	80
16) Acetone	4.13	43	4099	5.567	ug/l	93
20) Methylene Chloride	4.92	84	10585	Below Cal	#	88
31) Cyclohexane	7.94	56	8209	1.371	ug/l #	45
36) 1,1-Dichloropropene	7.95	75	24856	4.910	ug/l #	51
38) Carbon Tetrachloride	7.95	117	31394	5.880	ug/l #	17
49) 1,4-Dioxane	9.45	88	116	3.813	ug/l #	62
76) 1,2,3-Trichloropropane	12.62	75	111834	60.953	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	111834	148.181	ug/l #	6

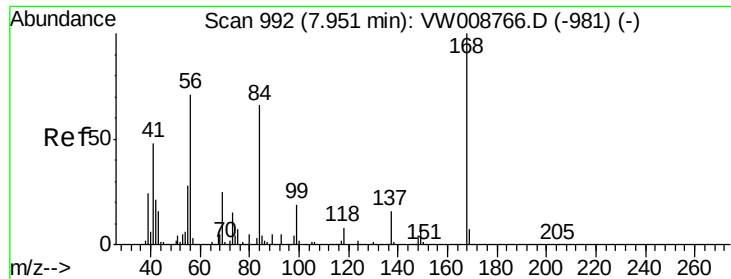
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 28 07:04:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
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: VW008862.D

Acq: 27 Feb 2019 18:36

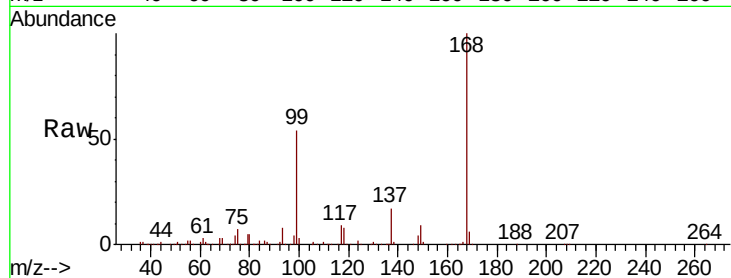
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 338712

Ion Ratio Lower Upper

168 100

99 53.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

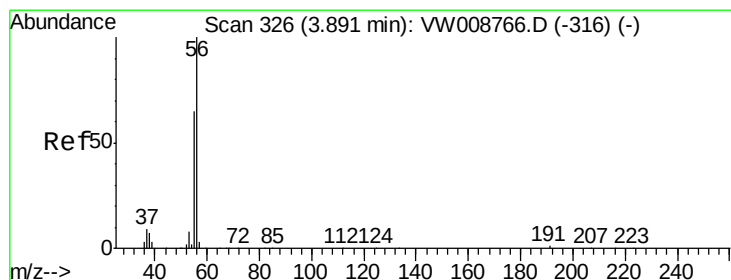
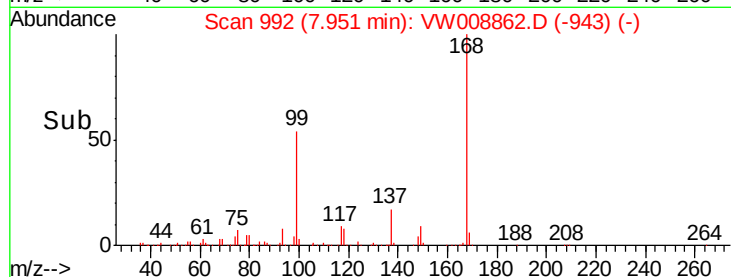
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#13

Acrolein

Concen: 20.616 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008862.D

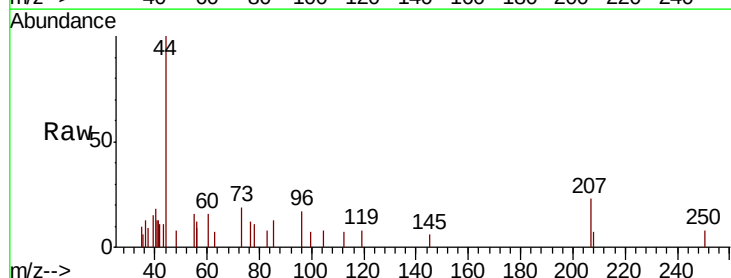
Acq: 27 Feb 2019 18:36

Tgt Ion: 56 Resp: 271

Ion Ratio Lower Upper

56 100

55 54.2 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

200

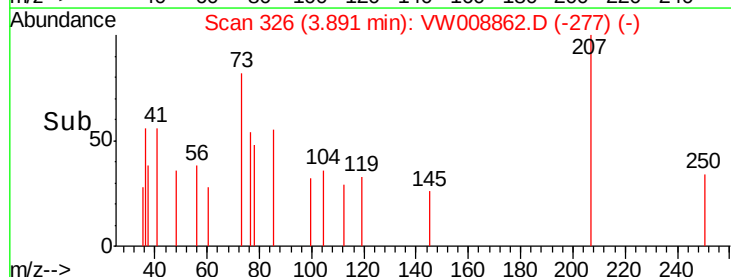
150

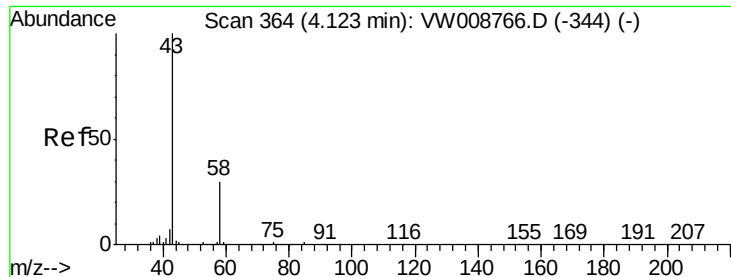
100

50

0

Time--> 3.85 3.90 3.95

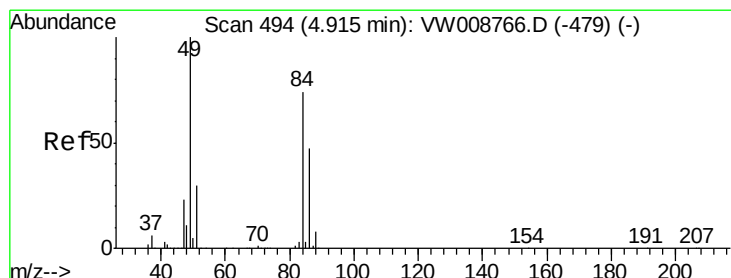
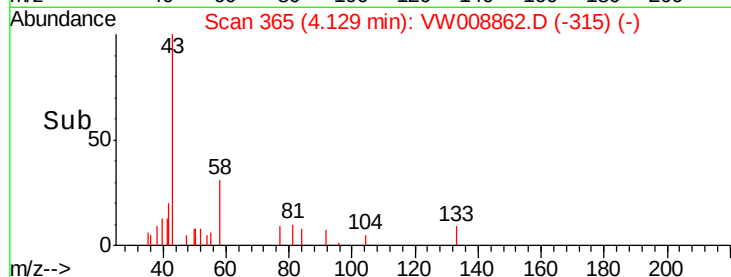
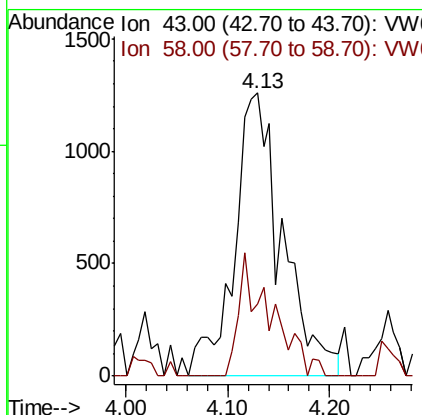
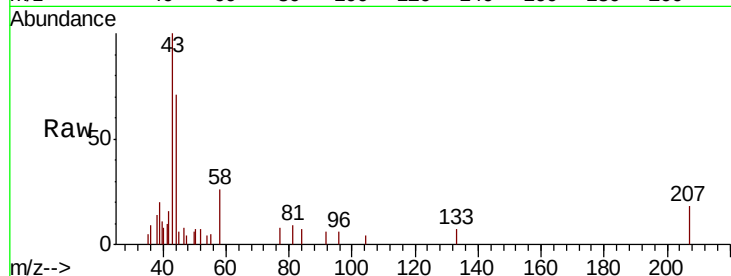




#16
Acetone
Concen: 5.567 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW008862.D
Acq: 27 Feb 2019 18:36

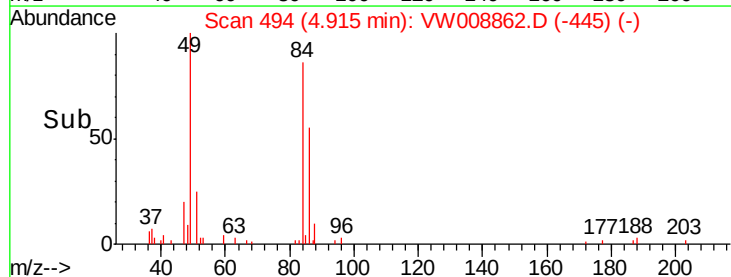
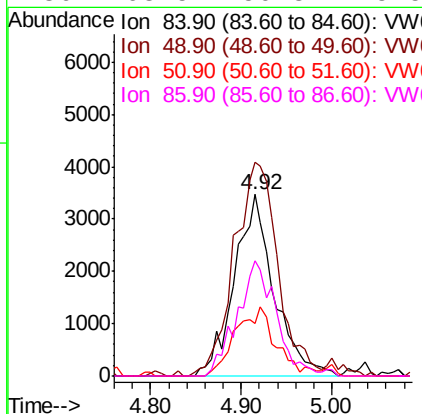
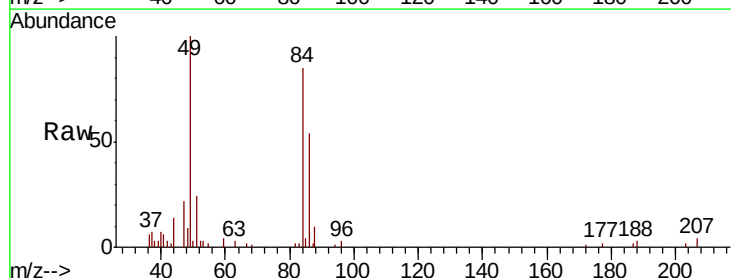
Instrument :
MSVOA_W
ClientSampled :

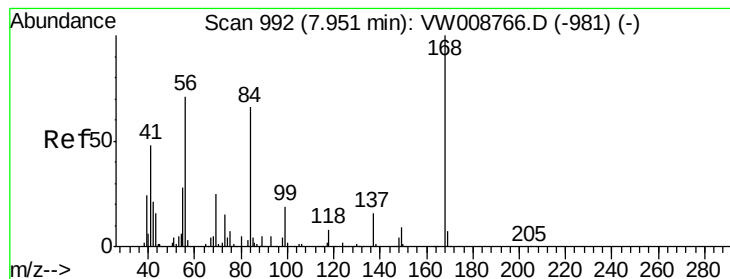
Tot Ion: 43 Resp: 4099
Ion Ratio Lower Upper
43 100
58 25.7 23.8 35.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008862.D
Acq: 27 Feb 2019 18:36

Tgt Ion: 84 Resp: 10585
Ion Ratio Lower Upper
84 100
49 117.6 108.2 162.2
51 28.7 32.7 49.1#
86 63.5 50.3 75.5





#31

Cyclohexane

Concen: 1.371 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008862.D

Acq: 27 Feb 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

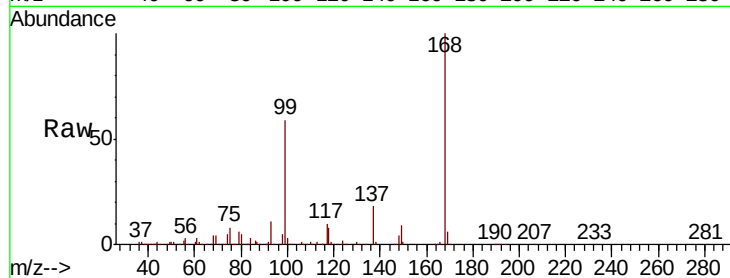
Tot Ion: 56 Resp: 8209

Ion Ratio Lower Upper

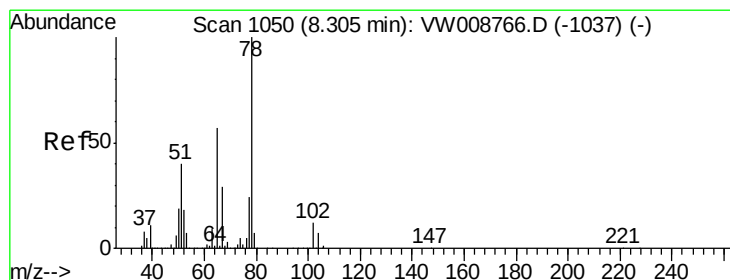
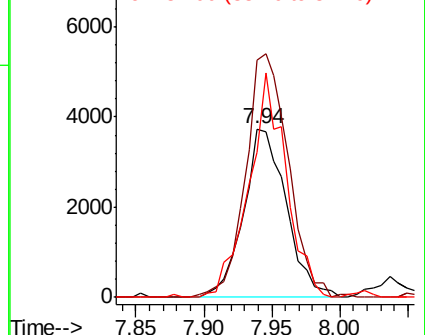
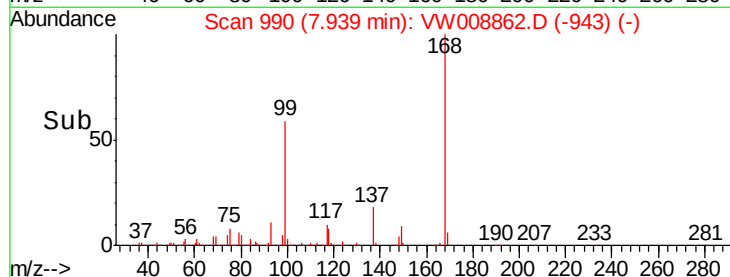
56 100

69 141.1 28.2 42.4#

84 86.4 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: 61.281 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008862.D

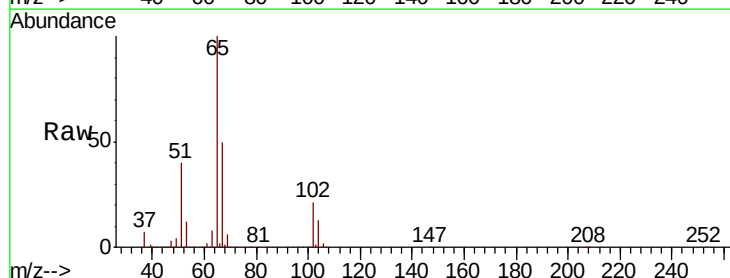
Acq: 27 Feb 2019 18:36

Tgt Ion: 65 Resp: 194679

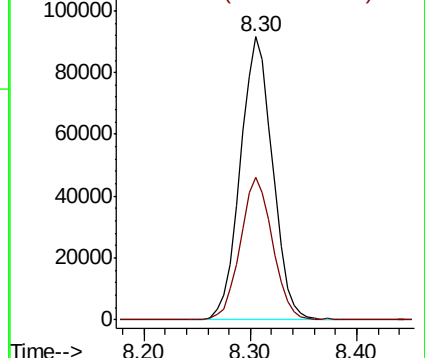
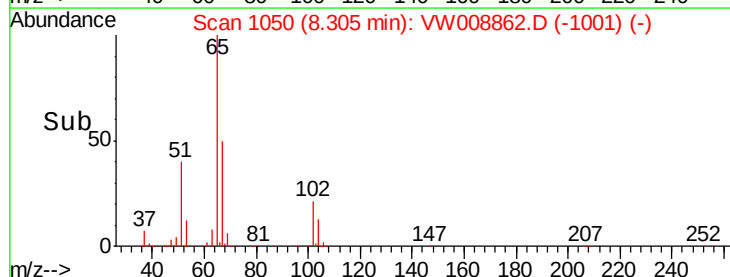
Ion Ratio Lower Upper

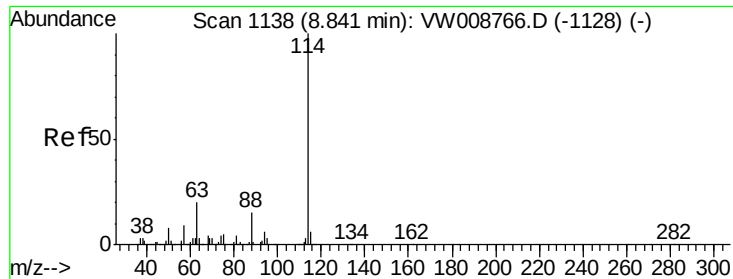
65 100

67 50.3 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: VW008862.D

Acq: 27 Feb 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

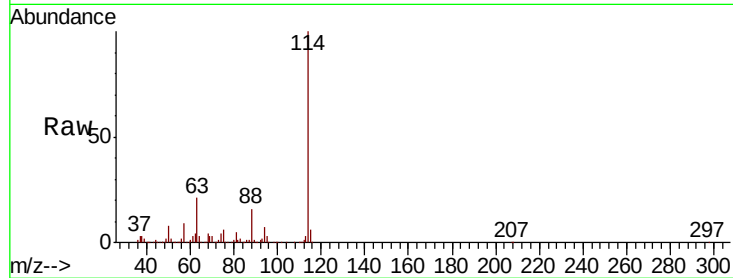
Tot Ion:114 Resp: 520069

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

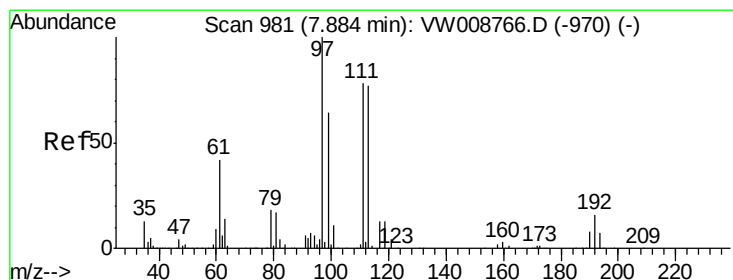
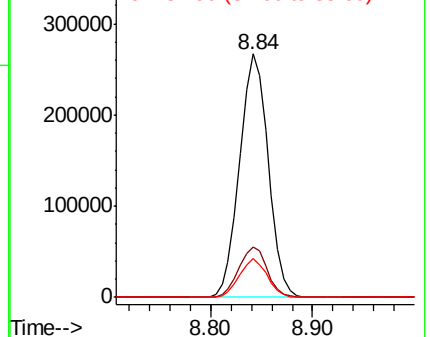
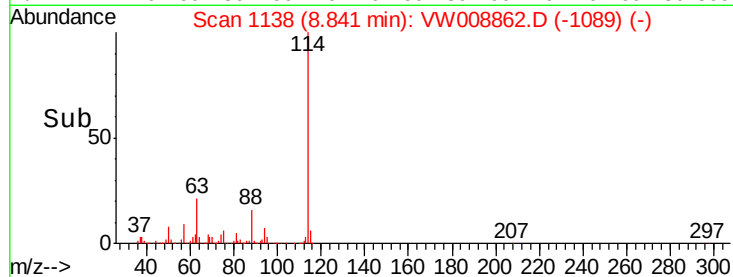
88 15.8 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 53.053 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008862.D

Acq: 27 Feb 2019 18:36

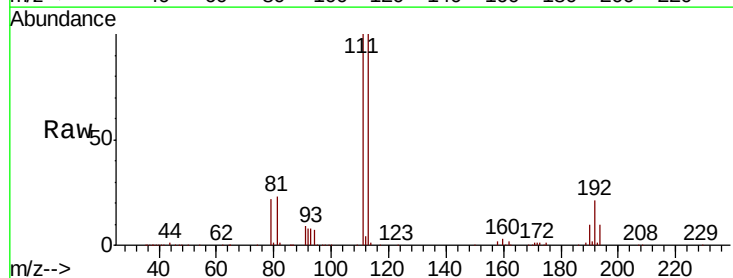
Tgt Ion:113 Resp: 165662

Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

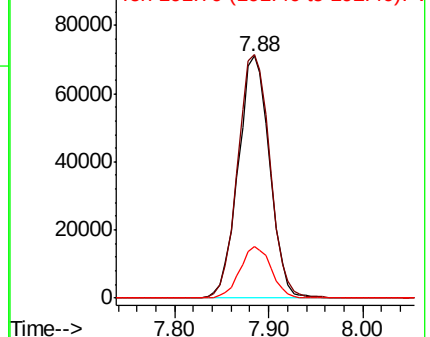
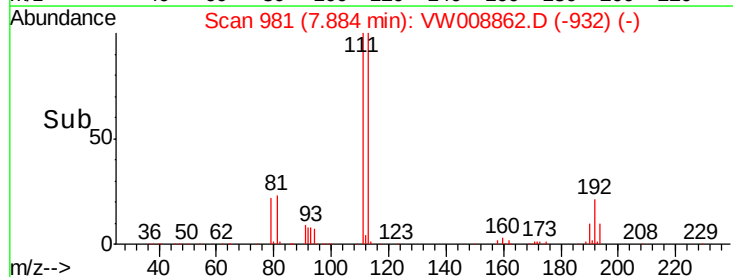
192 21.1 17.1 25.7

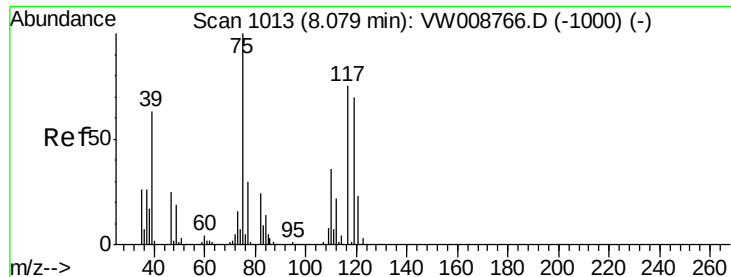


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

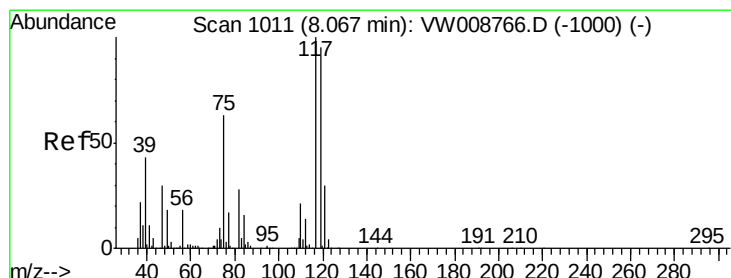
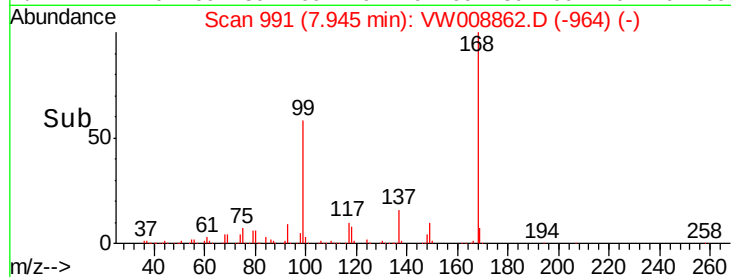
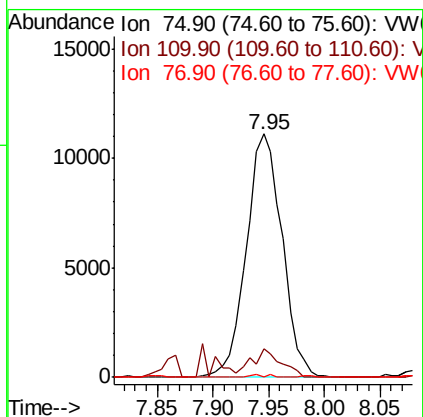
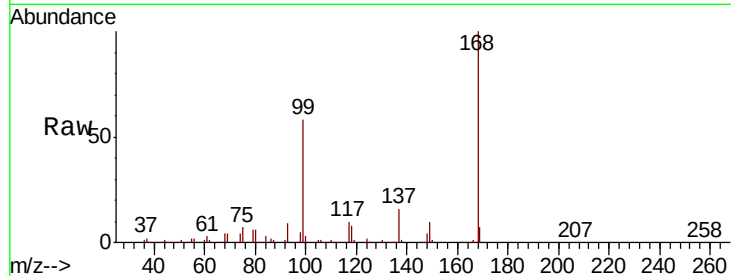




#36
 1,1-Dichloropropene
 Concen: 4.910 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008862.D
 Acq: 27 Feb 2019 18:36

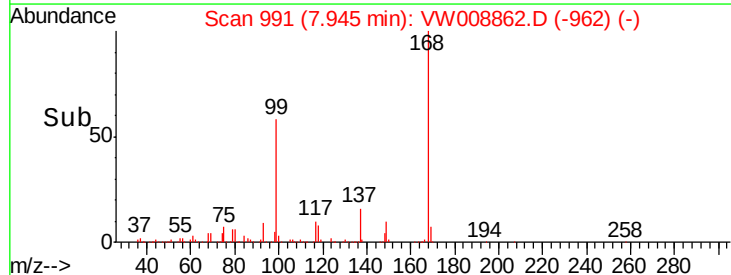
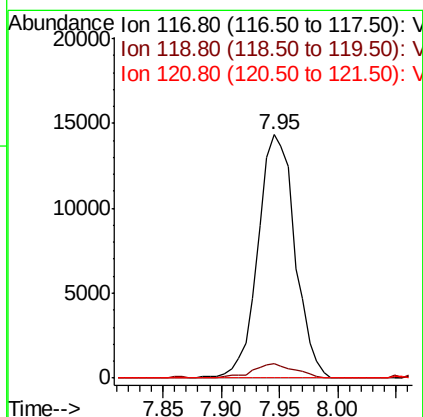
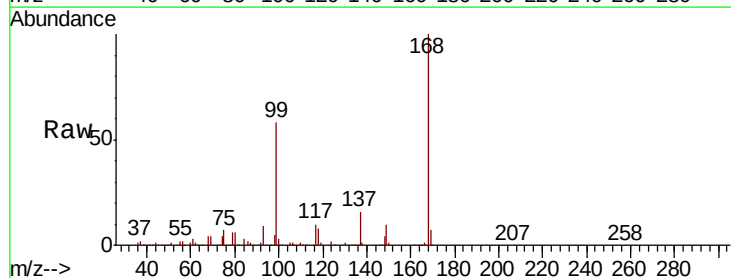
Instrument :
 MSVOA_W
 ClientSampled :

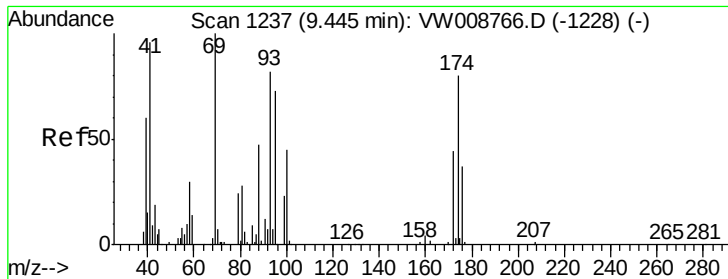
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.5	52.6#
77	0.5	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 5.880 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008862.D
 Acq: 27 Feb 2019 18:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	76.1	114.1#
121	0.0	24.0	36.0#

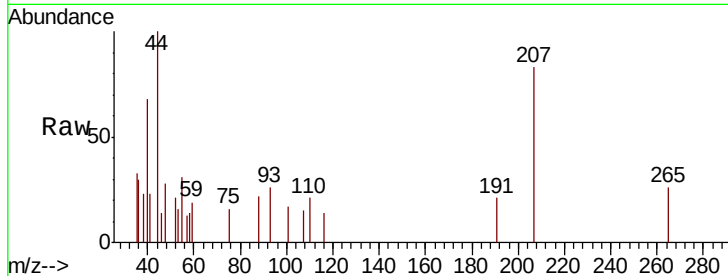




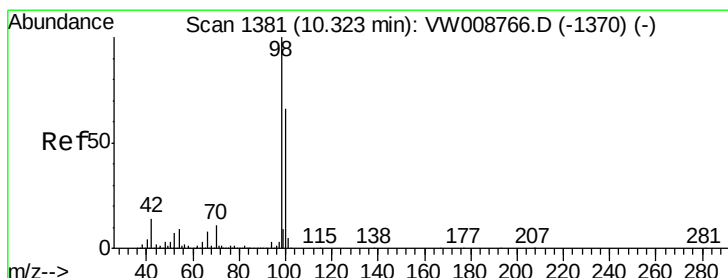
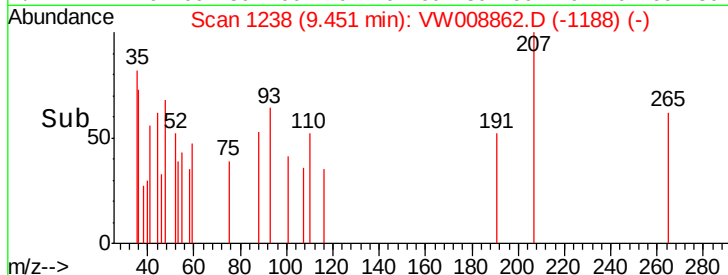
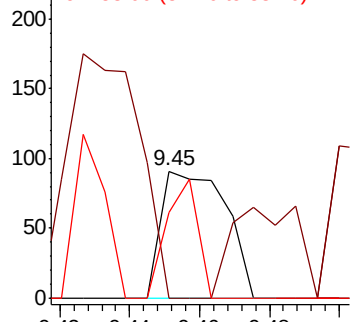
#49
1,4-Dioxane
Concen: 3.813 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008862.D
Acq: 27 Feb 2019 18:36

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 116
Ion Ratio Lower Upper
88 100
43 0.0 29.0 43.4#
58 45.7 52.0 78.0#

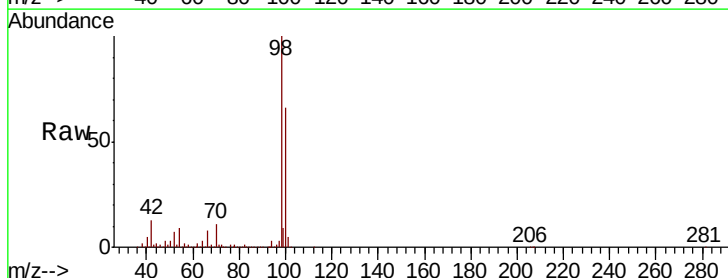


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

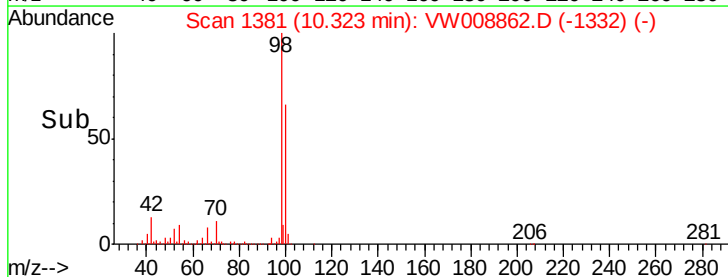
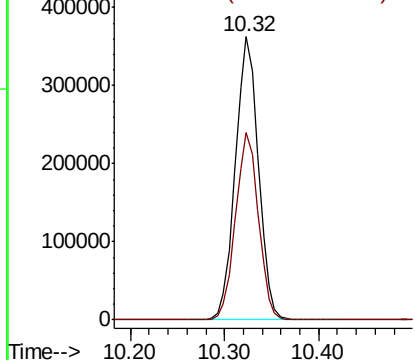


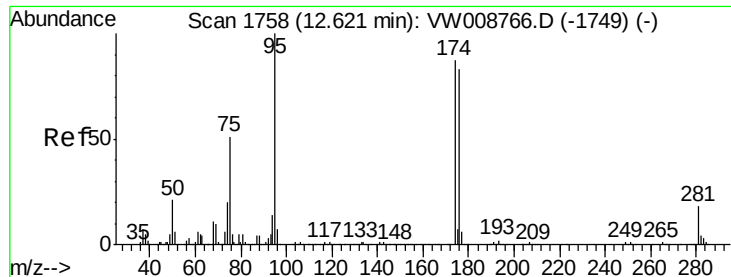
#50
Toluene-d8
Concen: 51.117 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008862.D
Acq: 27 Feb 2019 18:36

Tgt Ion: 98 Resp: 616169
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

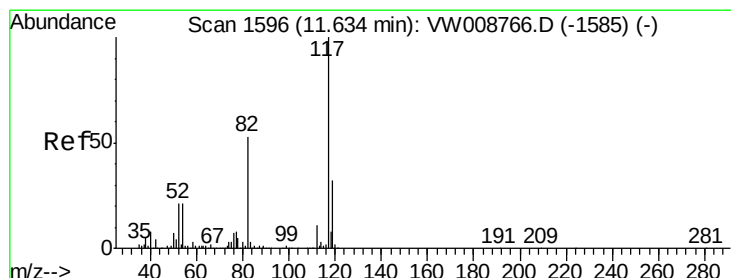
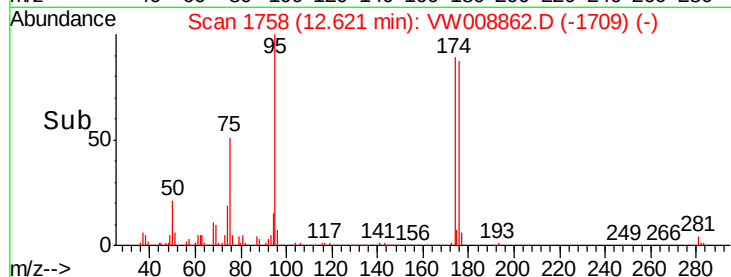
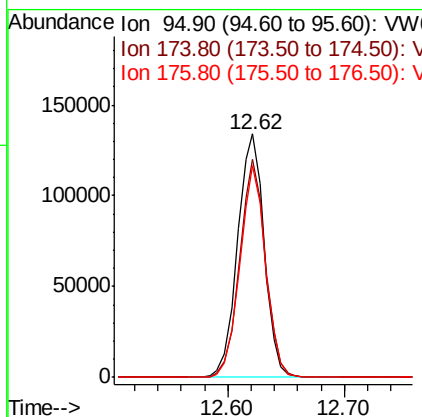
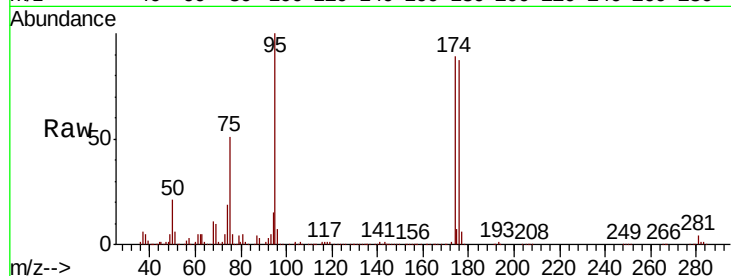




#62
4-Bromofluorobenzene
Concen: 45.107 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008862.D
Acq: 27 Feb 2019 18:36

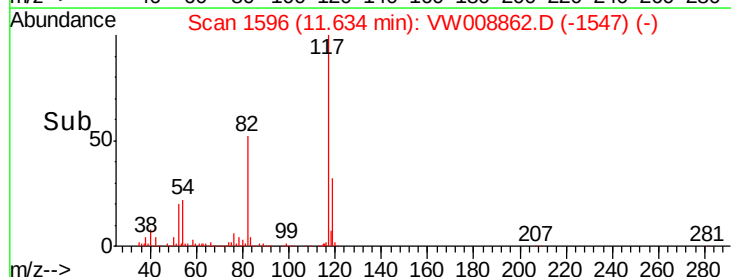
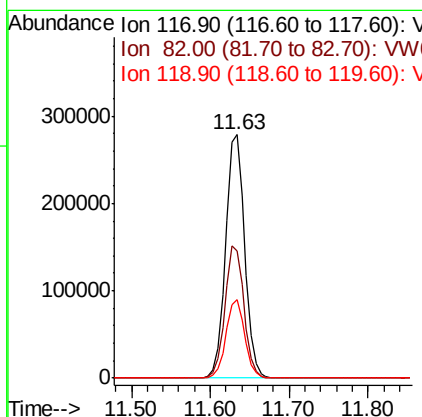
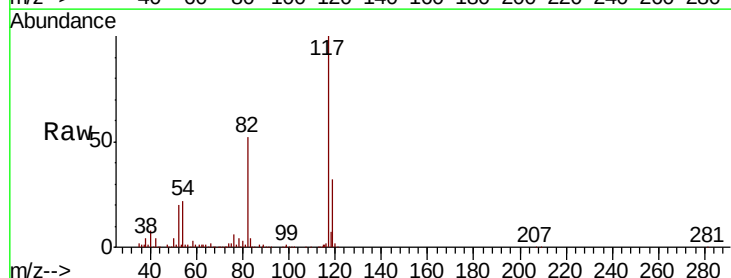
Instrument :
MSVOA_W
ClientSampleId :

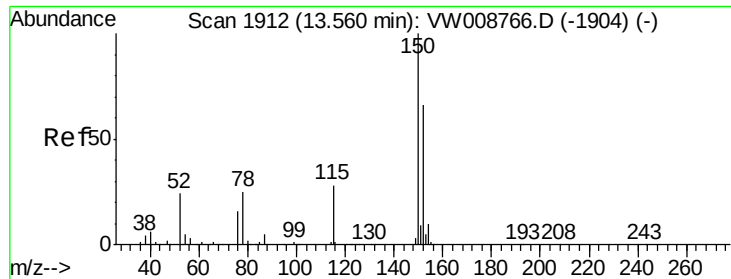
Tot Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	169.2
176	84.2	0.0	163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008862.D
Acq: 27 Feb 2019 18:36

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.2	63.4
119	32.3	25.9	38.9

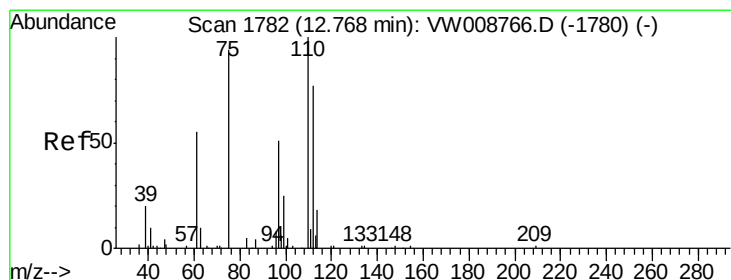
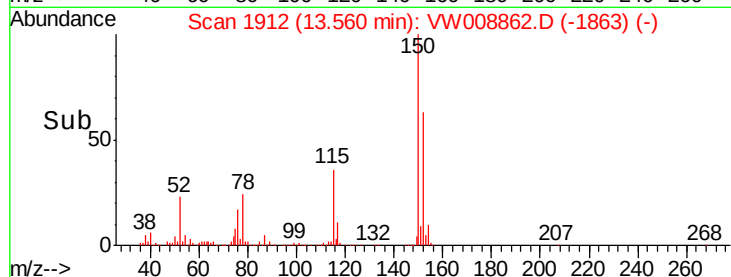
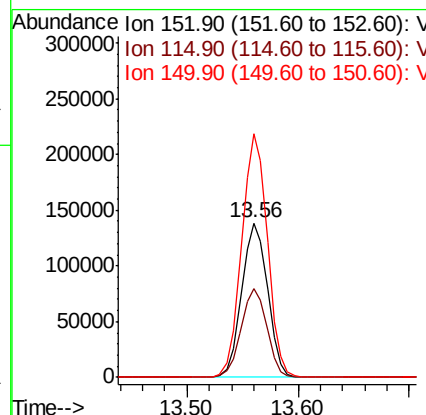
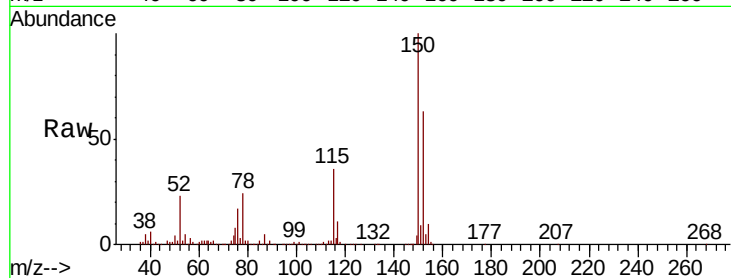




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW008862.D
 Acq: 27 Feb 2019 18:36

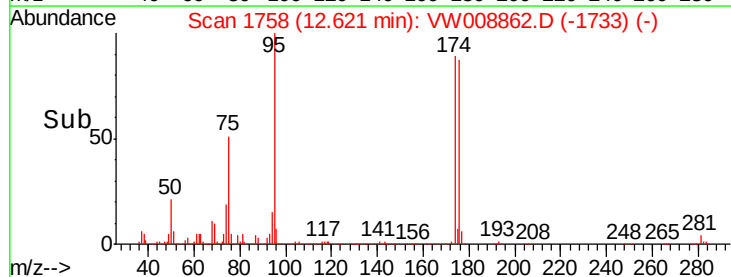
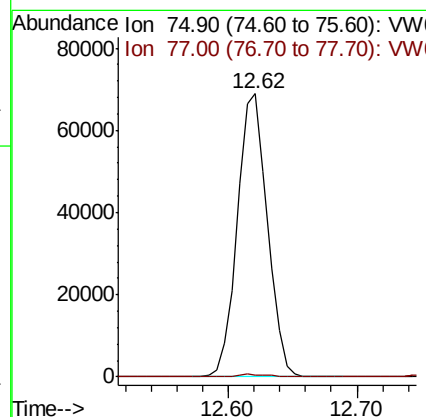
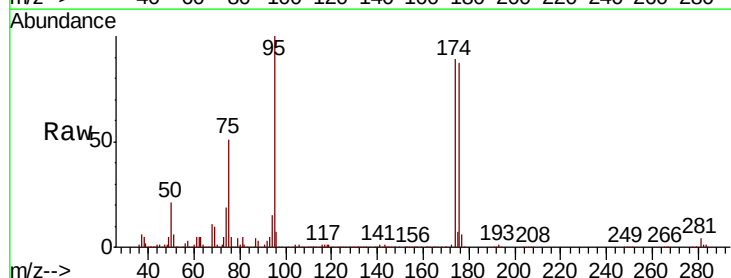
Instrument :
 MSVOA_W
 ClientSampleId :

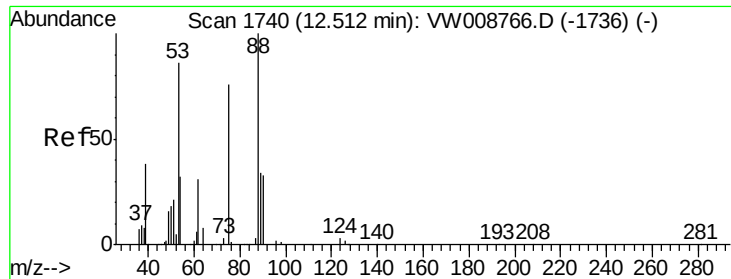
Tot Ion:152 Resp: 222225
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.6 85.8
 150 156.1 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 60.953 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008862.D
 Acq: 27 Feb 2019 18:36

Tgt Ion: 75 Resp: 111834
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 148.181 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008862.D

Acq: 27 Feb 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

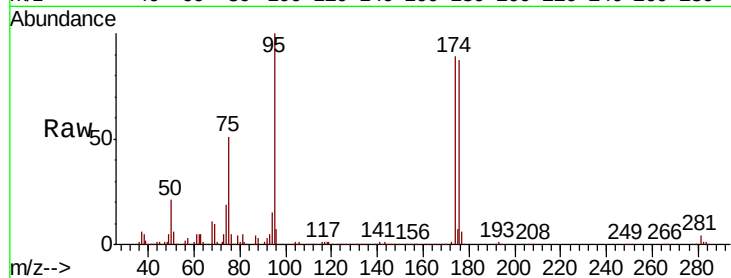
Tot Ion: 75 Resp: 111834

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

