

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008867.D
 Acq On : 27 Feb 2019 20:49
 Operator : SY/VA
 Sample : K1353-07RE
 Misc : 6.19G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 28 07:05:51 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	336906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	517339	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	454411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	203578	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	181167	57.33	ug/l	0.00
Spiked Amount			Recovery	=	114.66%	
35) Dibromofluoromethane	7.88	113	162678	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
50) Toluene-d8	10.32	98	612444	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.62	95	205338	43.74	ug/l	0.00
Spiked Amount			Recovery	=	87.48%	

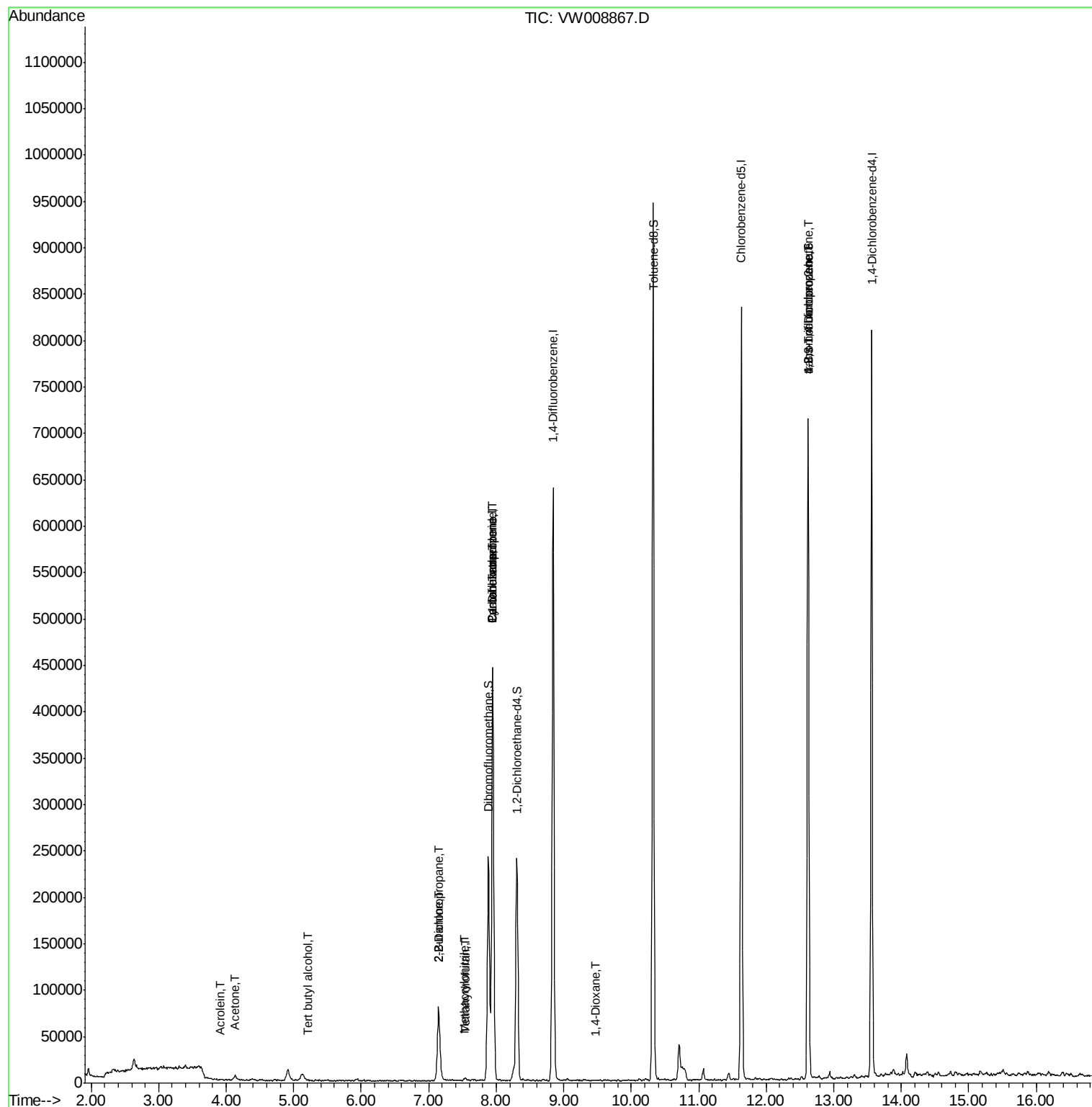
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	321	1.141	ug/l #	1
13) Acrolein	3.91	56	97	20.081	ug/l	96
16) Acetone	4.14	43	8843	12.073	ug/l	99
20) Methylene Chloride	4.92	84	8458	Below Cal	#	83
25) 2-Butanone	7.15	43	2910	2.842	ug/l #	84
26) 2,2-Dichloropropane	7.15	77	5399	1.010	ug/l #	54
29) Tetrahydrofuran	7.53	42	2293	3.514	ug/l	98
31) Cyclohexane	7.95	56	8003	1.343	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	25041	4.972	ug/l #	50
38) Carbon Tetrachloride	7.95	117	31299	5.893	ug/l #	17
41) Methacrylonitrile	7.52	41	1943	1.411	ug/l #	53
49) 1,4-Dioxane	9.47	88	147	4.857	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	109053	64.881	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	109053	157.731	ug/l #	6

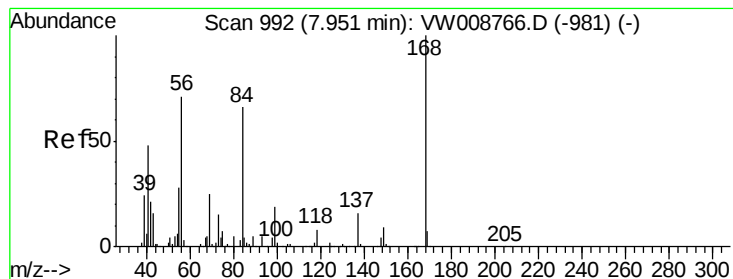
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008867.D

Acq: 27 Feb 2019 20:49

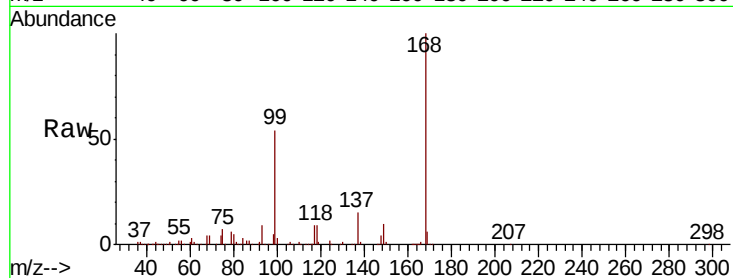
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 336906

Ion Ratio Lower Upper

168 100

99 54.5 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

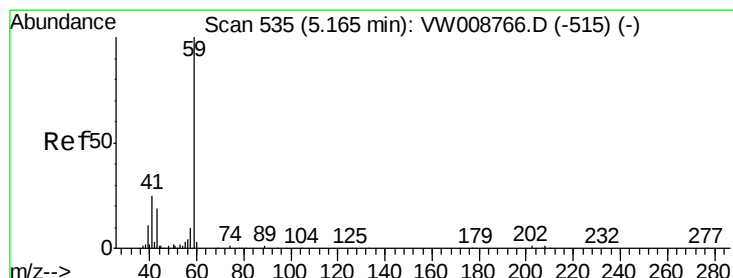
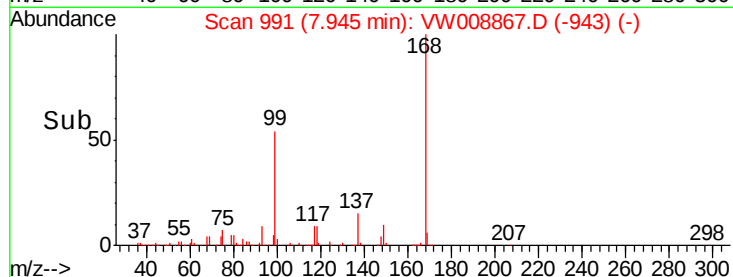
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.141 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.04 min

Lab File: VW008867.D

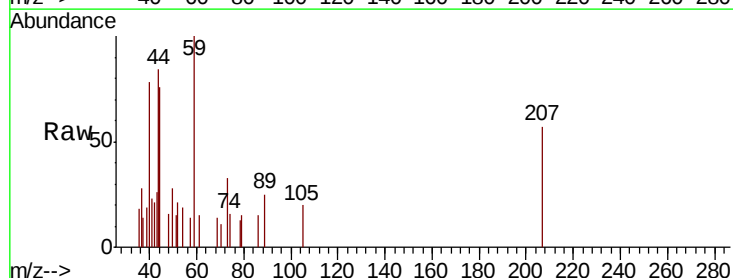
Acq: 27 Feb 2019 20:49

Tgt Ion: 59 Resp: 321

Ion Ratio Lower Upper

59 100

57 82.9 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

500

400

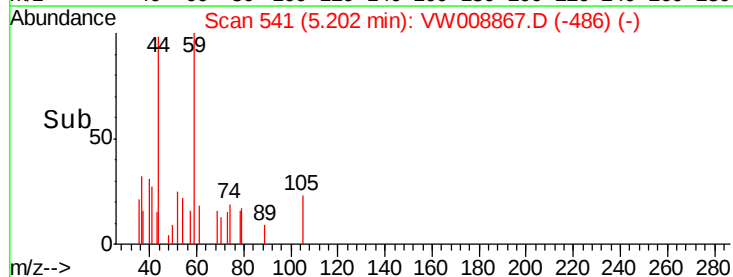
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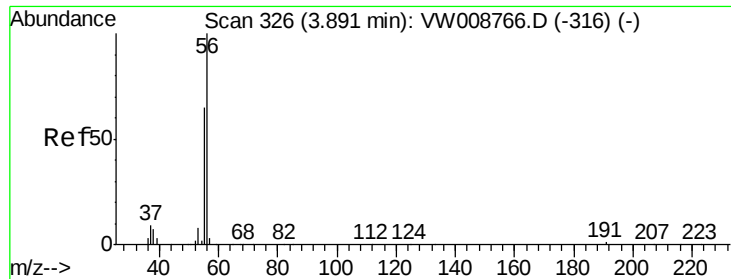
200

100

0

Time-->

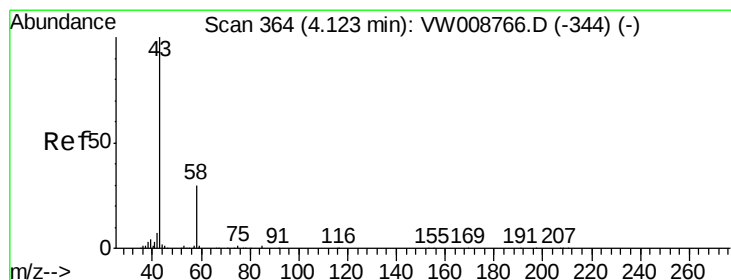
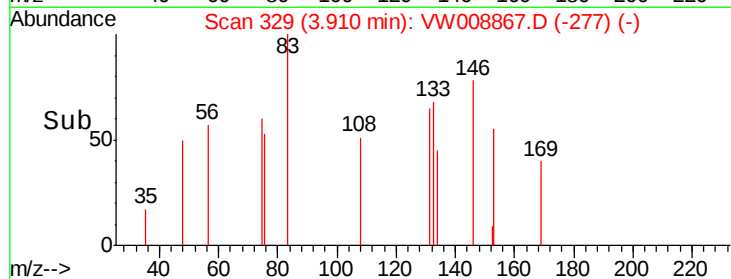
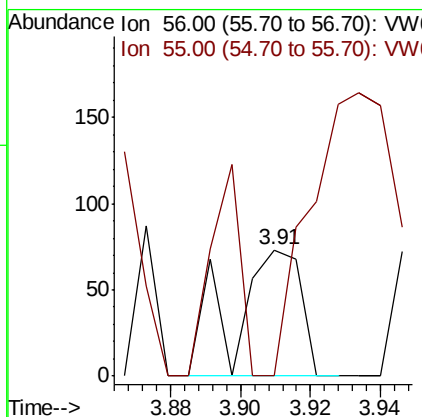
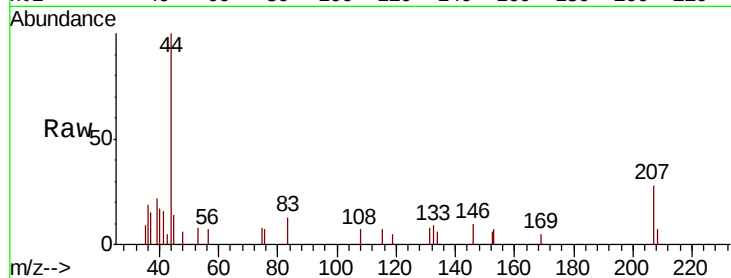




#13
Acrolein
Concen: 20.081 ug/l
RT: 3.91 min Scan# 329
Delta R.T. 0.02 min
Lab File: VW008867.D
Acq: 27 Feb 2019 20:49

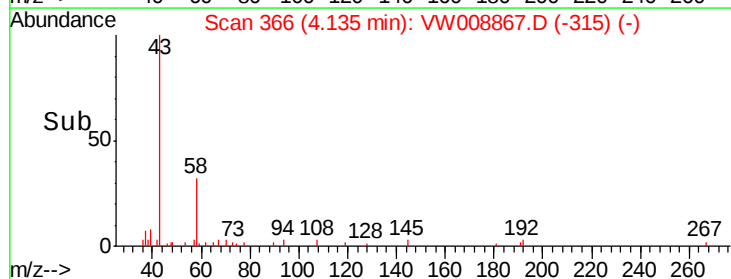
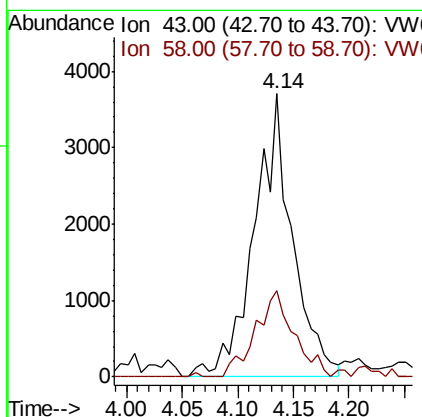
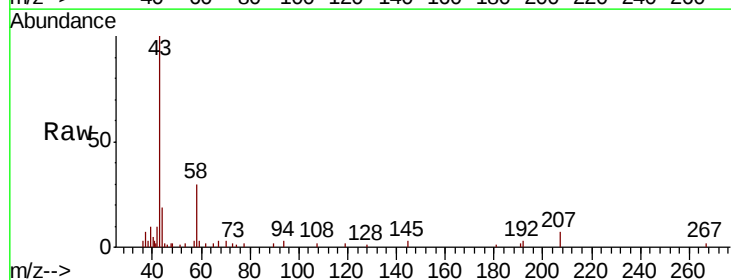
Instrument :
MSVOA_W
ClientSampled :

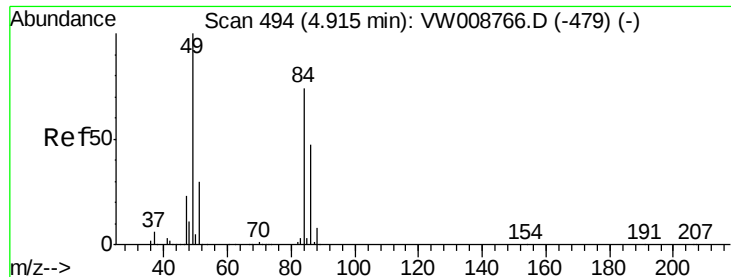
Tot Ion: 56 Resp: 97
Ion Ratio Lower Upper
56 100
55 74.2 56.9 85.3



#16
Acetone
Concen: 12.073 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW008867.D
Acq: 27 Feb 2019 20:49

Tgt Ion: 43 Resp: 8843
Ion Ratio Lower Upper
43 100
58 30.4 23.8 35.6



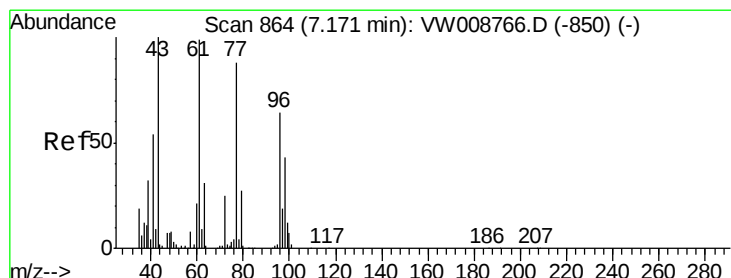
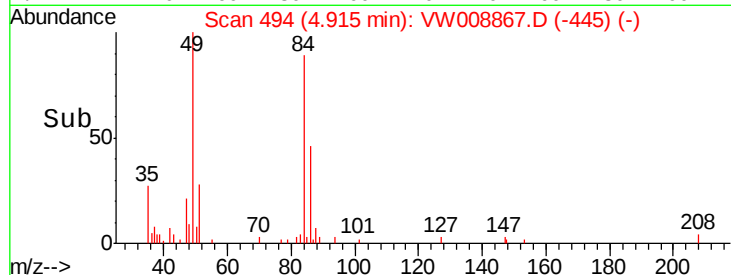
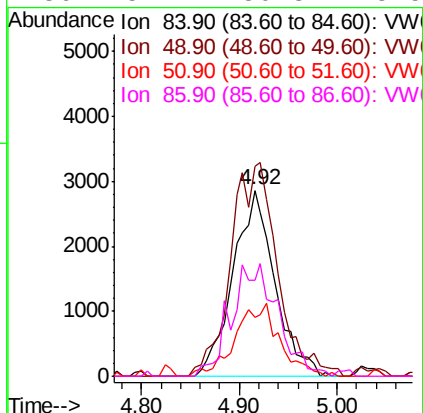
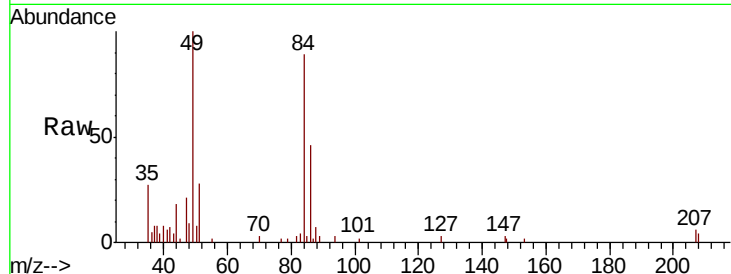


#20

Methylene Chloride
 Concen: Below Cal
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW008867.D
 Acq: 27 Feb 2019 20:49

Instrument :
 MSVOA_W
 ClientSampleId :

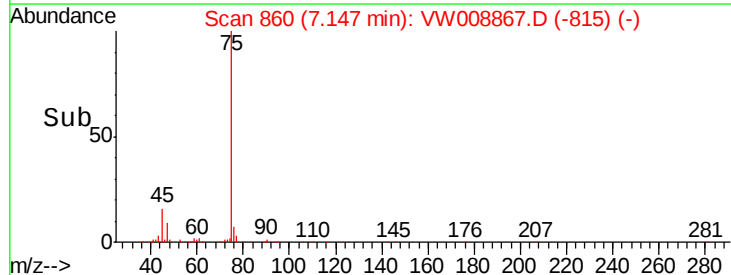
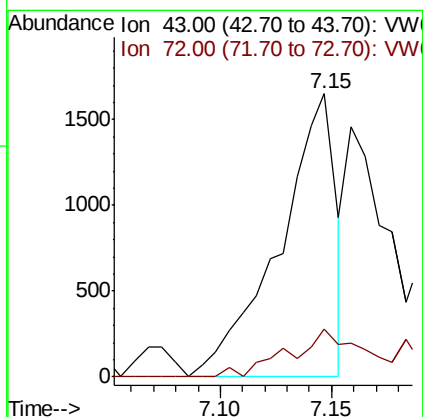
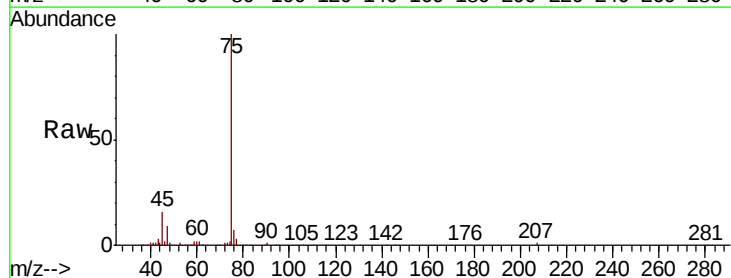
Tot Ion	84	Resp	8458
Ion	Ratio	Lower	Upper
84	100		
49	112.8	108.2	162.2
51	31.9	32.7	49.1#
86	51.7	50.3	75.5

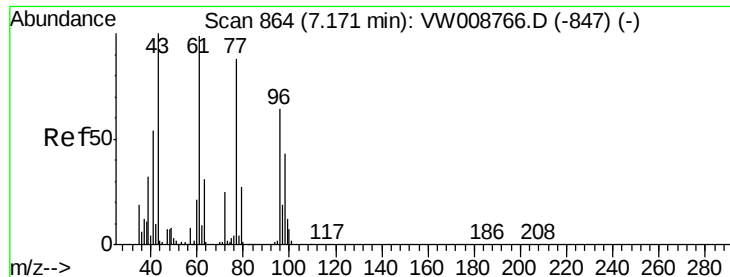


#25

2-Butanone
 Concen: 2.842 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW008867.D
 Acq: 27 Feb 2019 20:49

Tgt Ion	43	Resp	2910
Ion	Ratio	Lower	Upper
43	100		
72	16.8	19.7	29.5#





#26

2,2-Dichloropropane

Concen: 1.010 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008867.D

Acq: 27 Feb 2019 20:49

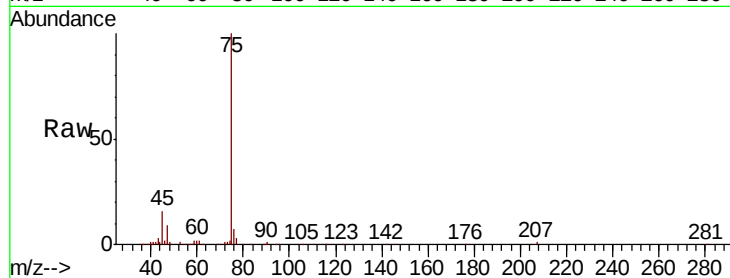
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 77 Resp: 5399

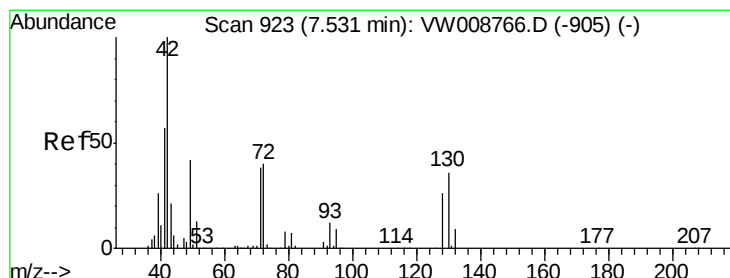
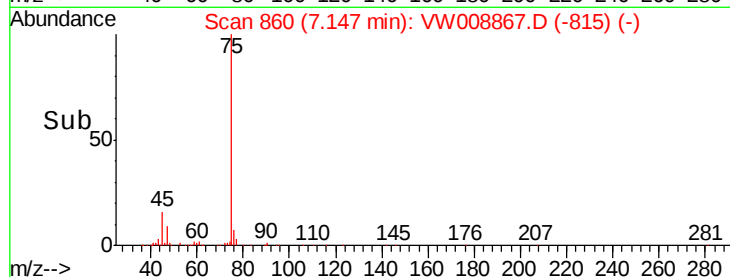
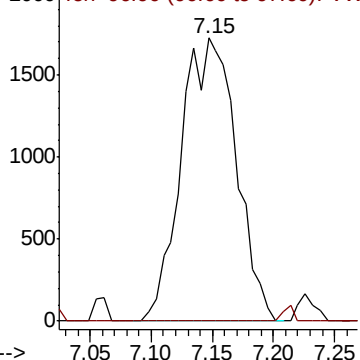
Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VW
Ion 96.90 (96.60 to 97.60): VW



#29

Tetrahydrofuran

Concen: 3.514 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW008867.D

Acq: 27 Feb 2019 20:49

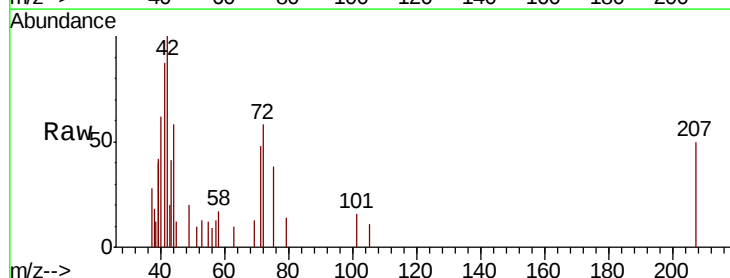
Tgt Ion: 42 Resp: 2293

Ion Ratio Lower Upper

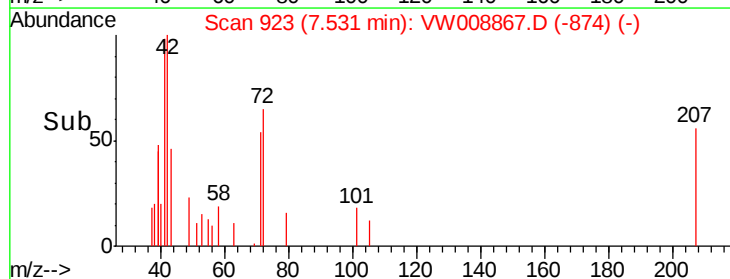
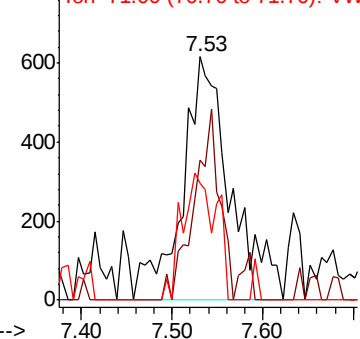
42 100

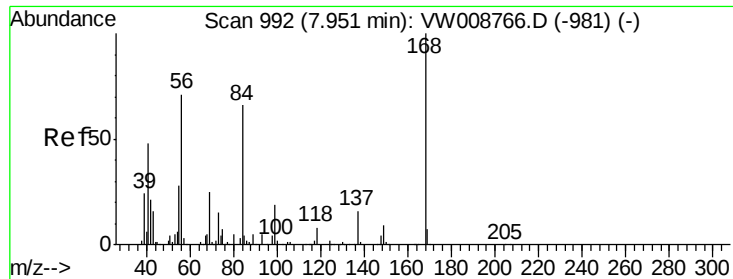
72 40.9 32.7 49.1

71 36.4 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

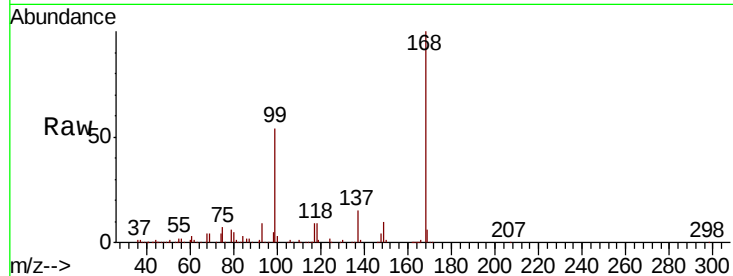




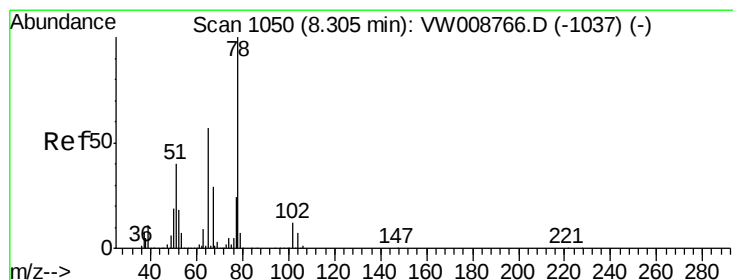
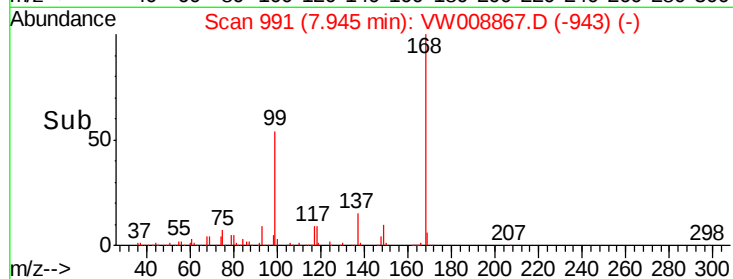
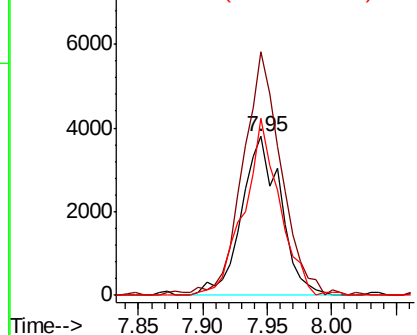
#31
Cyclohexane
Concen: 1.343 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008867.D
Acq: 27 Feb 2019 20:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 8003
Ion Ratio Lower Upper
56 100
69 151.9 28.2 42.4#
84 111.8 74.1 111.1#

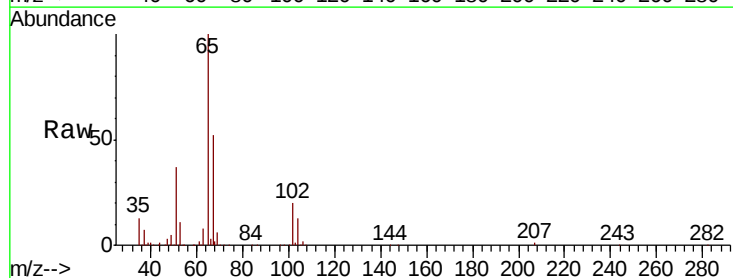


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

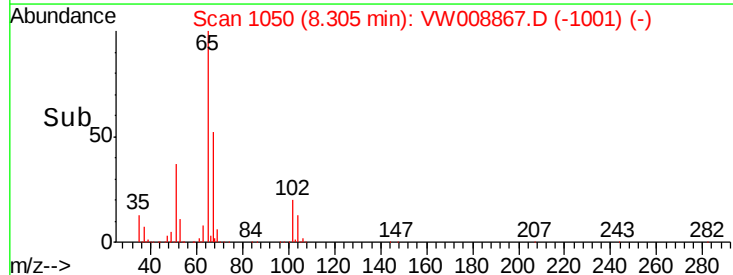
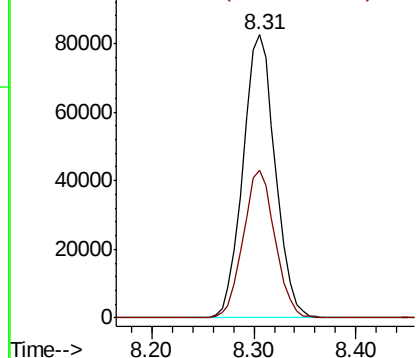


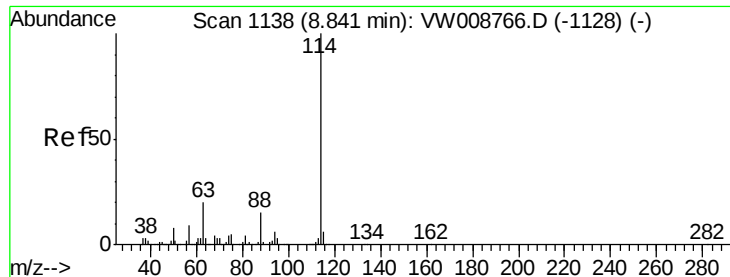
#33
1,2-Dichloroethane-d4
Concen: 57.334 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008867.D
Acq: 27 Feb 2019 20:49

Tgt Ion: 65 Resp: 181167
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.4



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

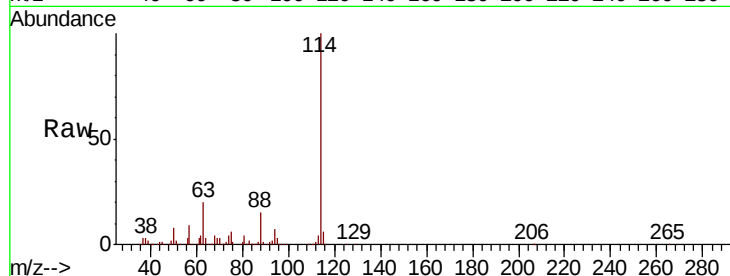




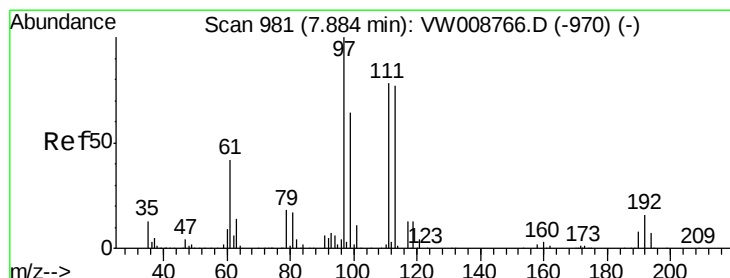
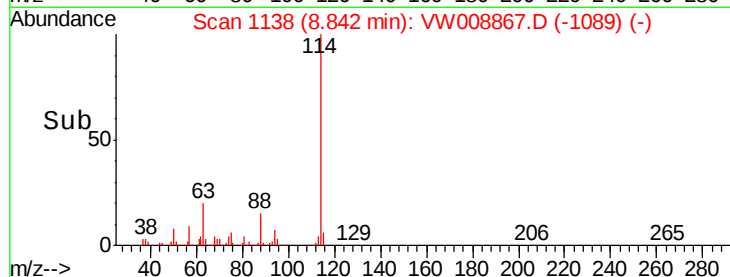
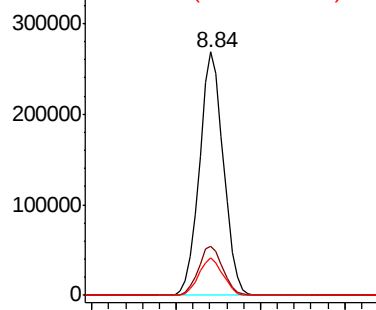
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008867.D
Acq: 27 Feb 2019 20:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 517339
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.8
88 15.3 0.0 30.4

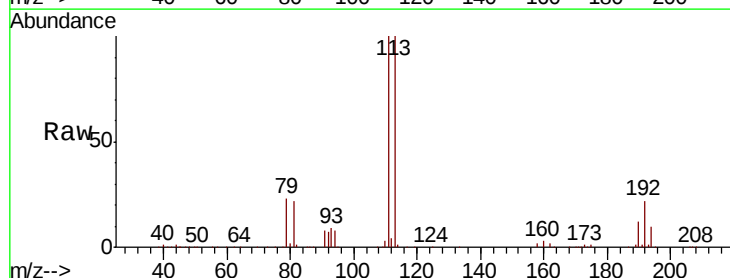


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

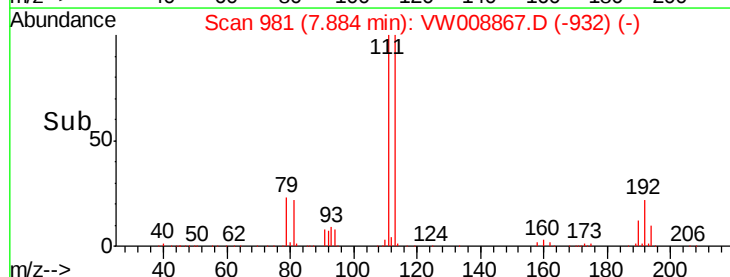
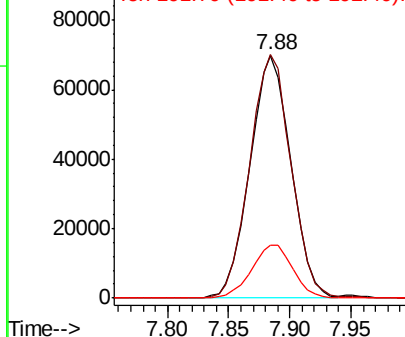


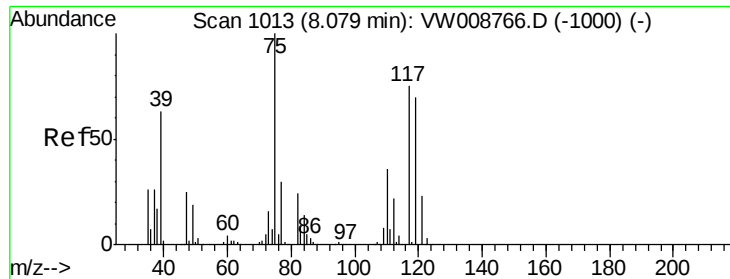
#35
Dibromofluoromethane
Concen: 52.373 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008867.D
Acq: 27 Feb 2019 20:49

Tgt Ion:113 Resp: 162678
Ion Ratio Lower Upper
113 100
111 101.4 81.9 122.9
192 22.1 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: 4.972 ug/l

RT: 7.95 min Scan# 992

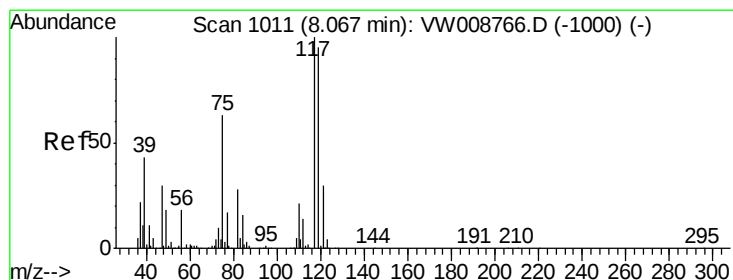
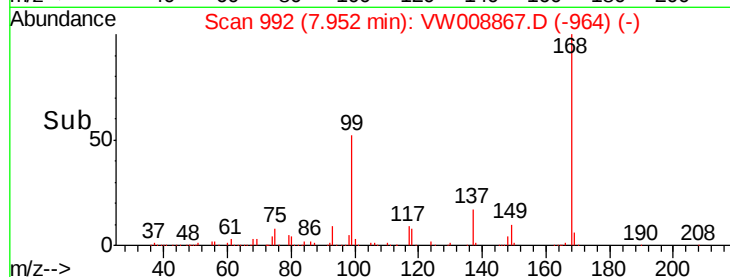
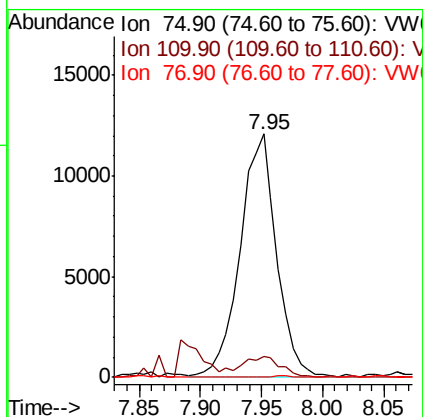
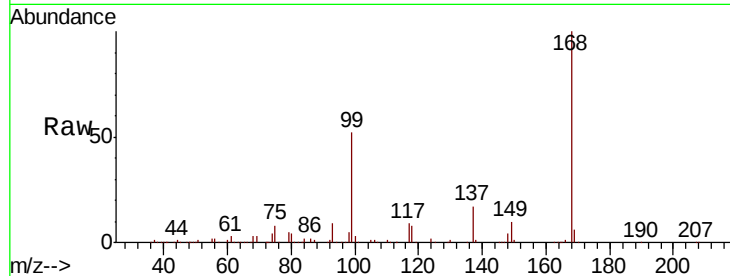
Delta R.T. -0.13 min

Lab File: VW008867.D

Acq: 27 Feb 2019 20:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	75	Resp:	25041
Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.5	52.6#
77	0.2	24.5	36.7#



#38

Carbon Tetrachloride

Concen: 5.893 ug/l

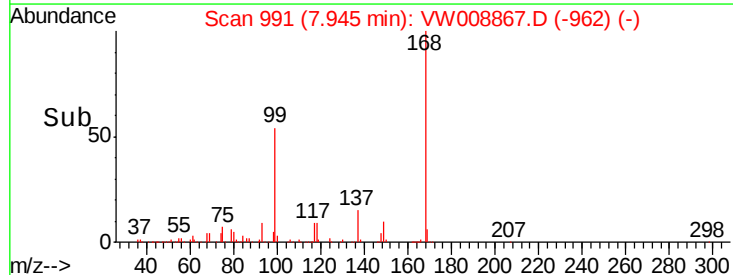
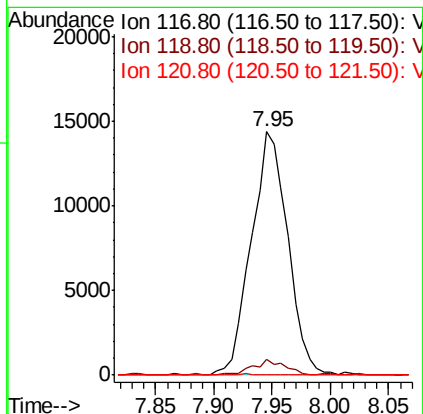
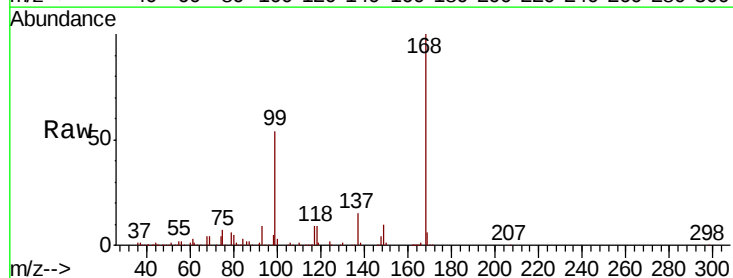
RT: 7.95 min Scan# 991

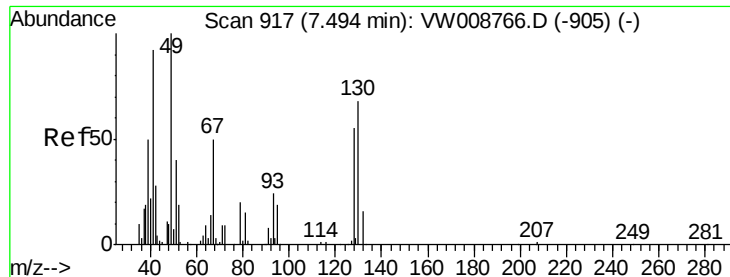
Delta R.T. -0.12 min

Lab File: VW008867.D

Acq: 27 Feb 2019 20:49

Tgt Ion:	117	Resp:	31299
Ion	Ratio	Lower	Upper
117	100		
119	6.5	76.1	114.1#
121	0.0	24.0	36.0#

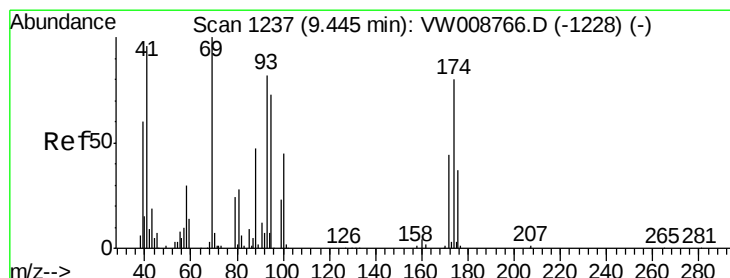
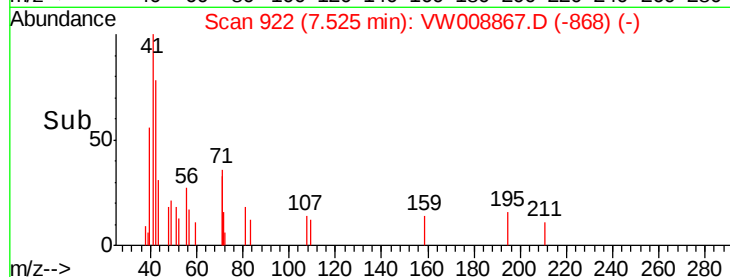
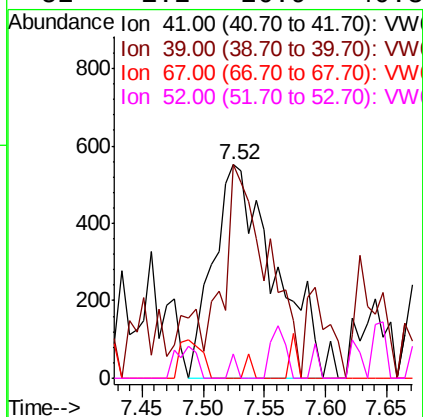
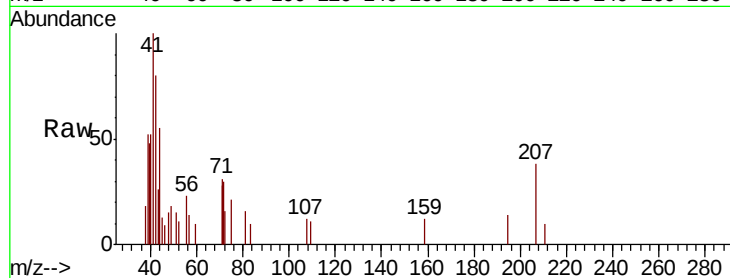




#41
Methacrylonitrile
Concen: 1.411 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.03 min
Lab File: VW008867.D
Acq: 27 Feb 2019 20:49

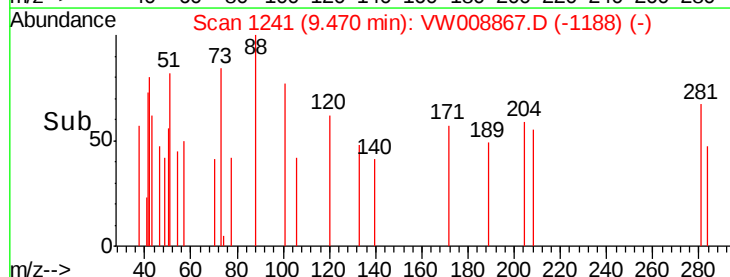
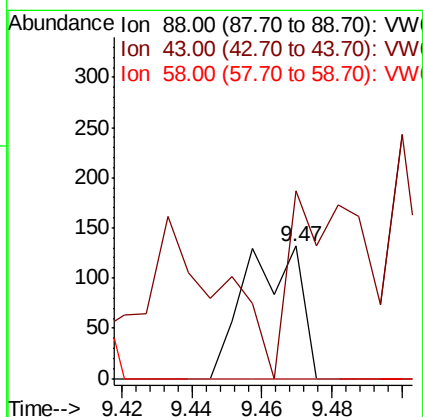
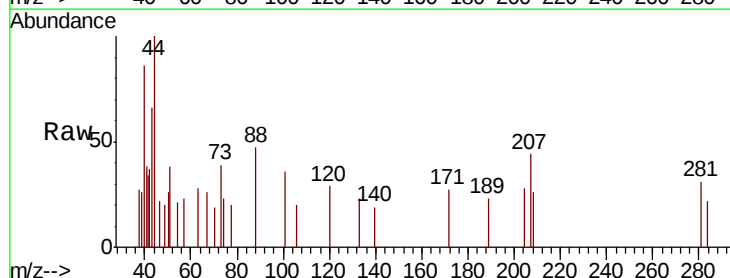
Instrument :
MSVOA_W
ClientSampleId :

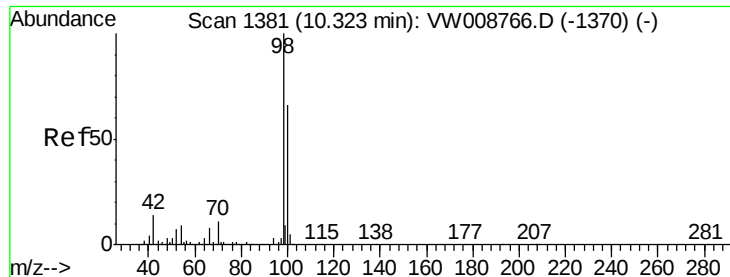
Tot Ion	Ratio	Lower	Upper
41	100		
39	69.3	52.5	78.7
67	1.2	55.0	82.6#
52	1.2	26.9	40.3#



#49
1,4-Dioxane
Concen: 4.857 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW008867.D
Acq: 27 Feb 2019 20:49

Tgt Ion	Ratio	Lower	Upper
88	100		
43	181.0	29.0	43.4#
58	0.0	52.0	78.0#





#50

Toluene-d8

Concen: 51.077 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008867.D

Acq: 27 Feb 2019 20:49

Instrument :

MSVOA_W

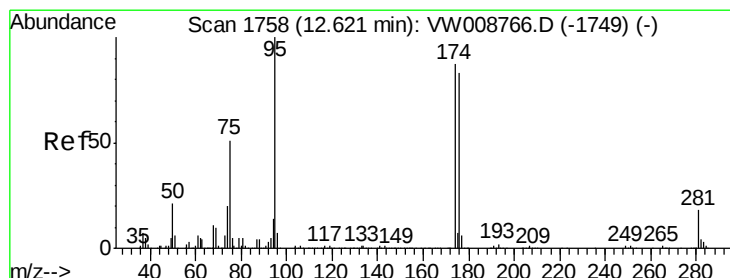
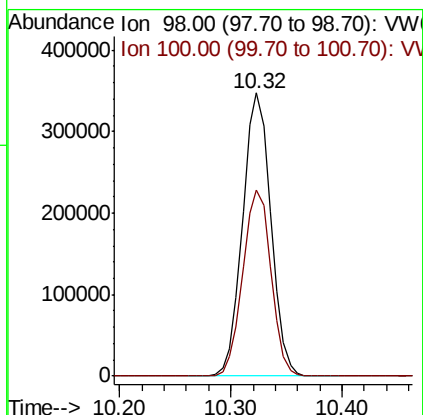
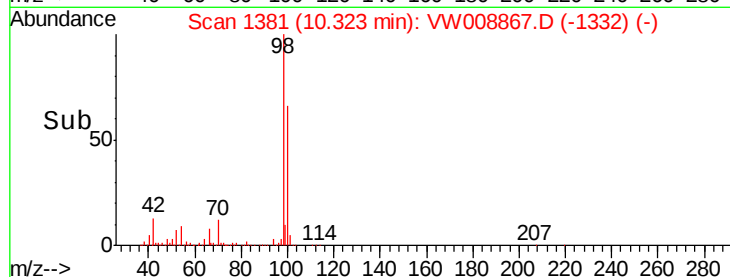
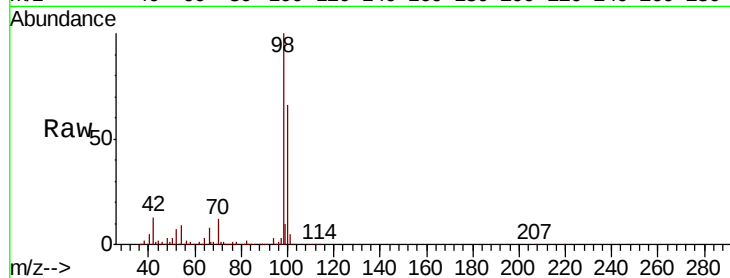
ClientSampleId :

Tot Ion: 98 Resp: 612444

Ion Ratio Lower Upper

98 100

100 65.9 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 43.737 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008867.D

Acq: 27 Feb 2019 20:49

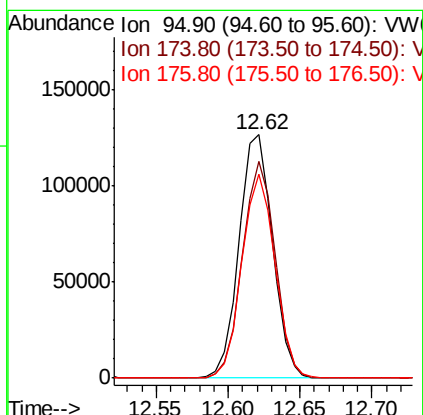
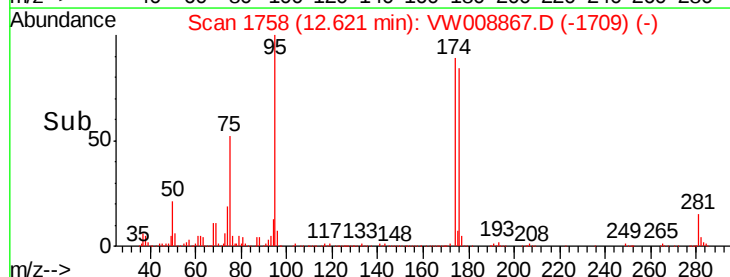
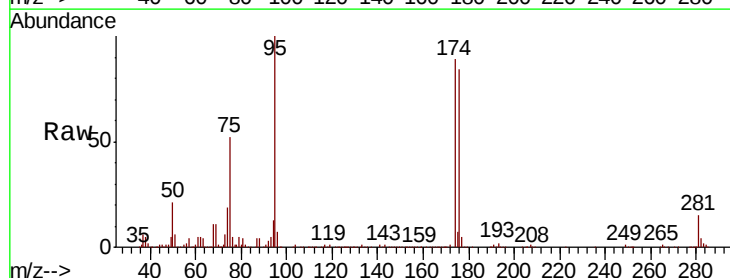
Tgt Ion: 95 Resp: 205338

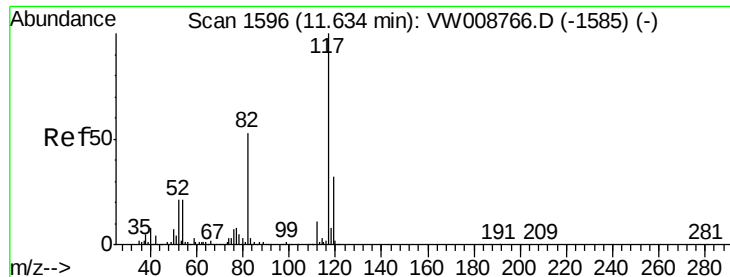
Ion Ratio Lower Upper

95 100

174 86.6 0.0 169.2

176 82.5 0.0 163.6

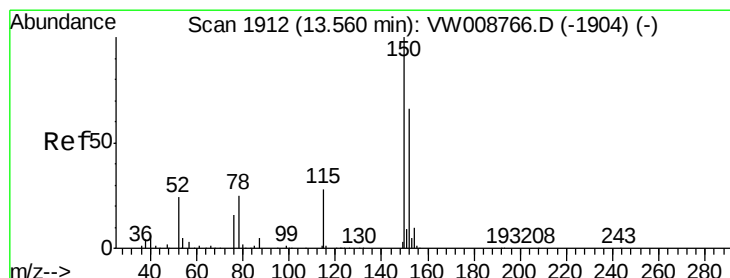
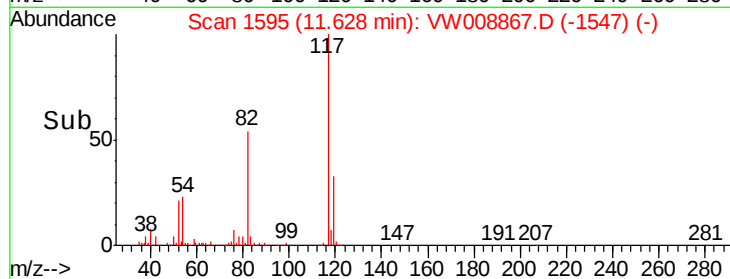
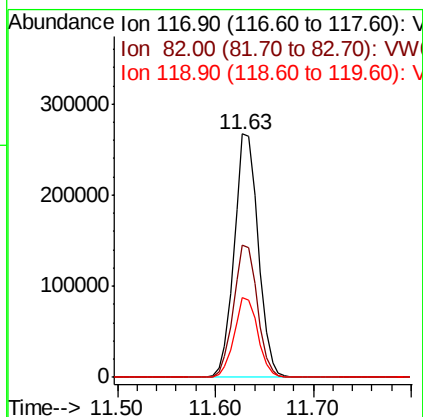
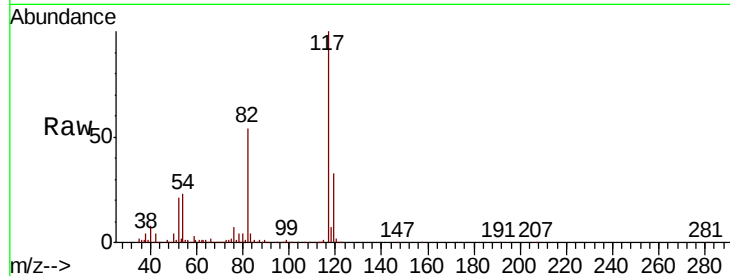




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008867.D
Acq: 27 Feb 2019 20:49

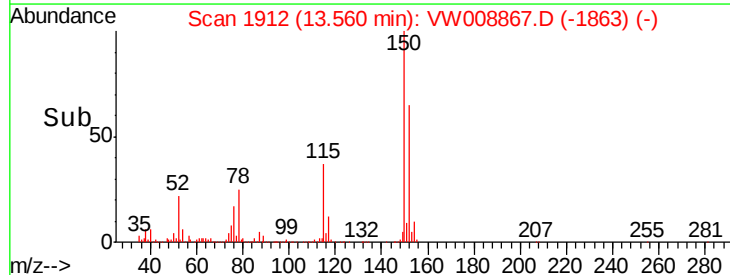
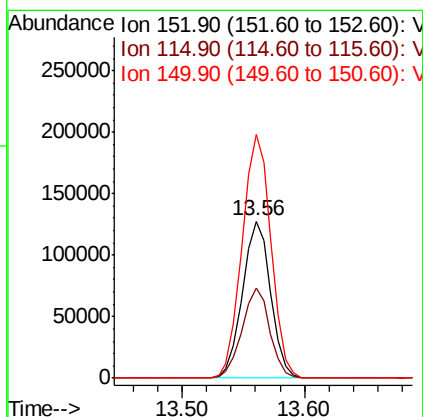
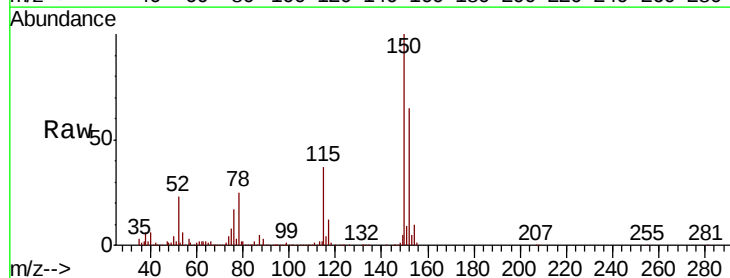
Instrument :
MSVOA_W
ClientSampleId :

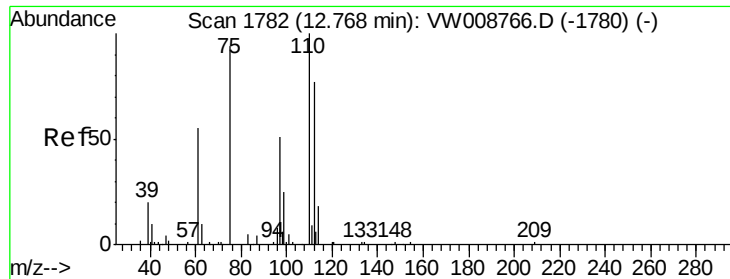
Tot Ion:117 Resp: 454411
Ion Ratio Lower Upper
117 100
82 54.5 42.2 63.4
119 32.8 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008867.D
Acq: 27 Feb 2019 20:49

Tgt Ion:152 Resp: 203578
Ion Ratio Lower Upper
152 100
115 56.5 28.6 85.8
150 159.4 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 64.881 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008867.D

Acq: 27 Feb 2019 20:49

Instrument :

MSVOA_W

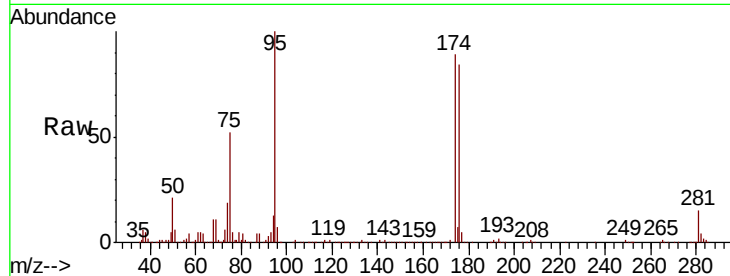
ClientSampleId :

Tot Ion: 75 Resp: 109053

Ion Ratio Lower Upper

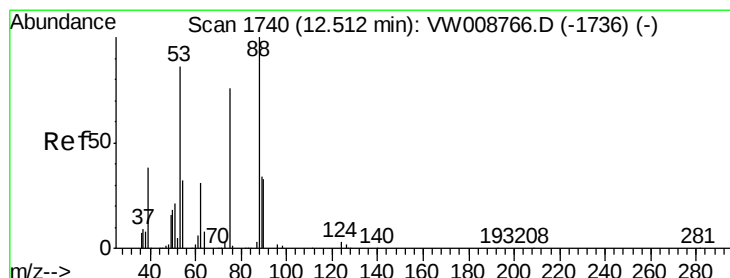
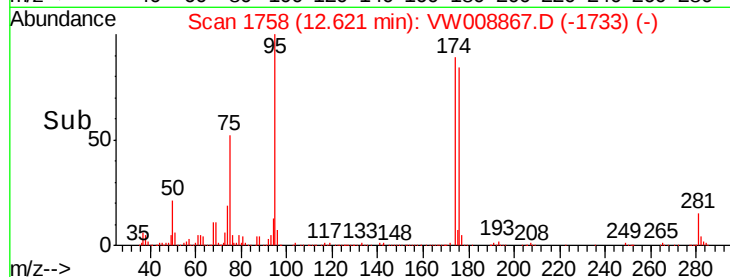
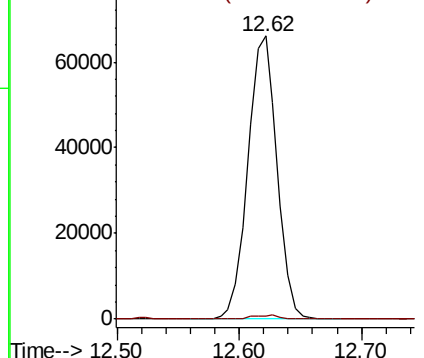
75 100

77 1.6 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: 157.731 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008867.D

Acq: 27 Feb 2019 20:49

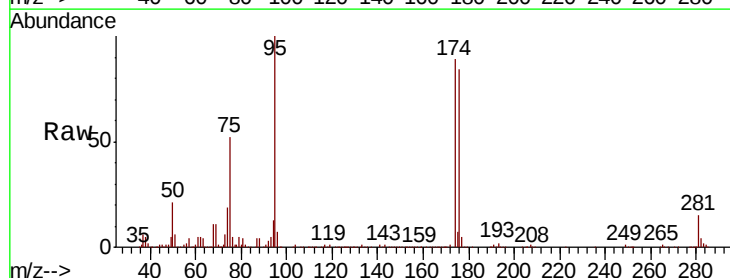
Tgt Ion: 75 Resp: 109053

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

