

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008897.D
 Acq On : 28 Feb 2019 19:36
 Operator : SY/VA
 Sample : K1655-01
 Misc : 6.69G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C12-1-1.0-1.5

Quant Time: Mar 01 06:02:55 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	311412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	474478	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	434772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	216830	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	176528	60.44	ug/l	0.00
Spiked Amount			Recovery	=	120.88%	
35) Dibromofluoromethane	7.88	113	140128	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
50) Toluene-d8	10.32	98	569714	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
62) 4-Bromofluorobenzene	12.62	95	205969	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	

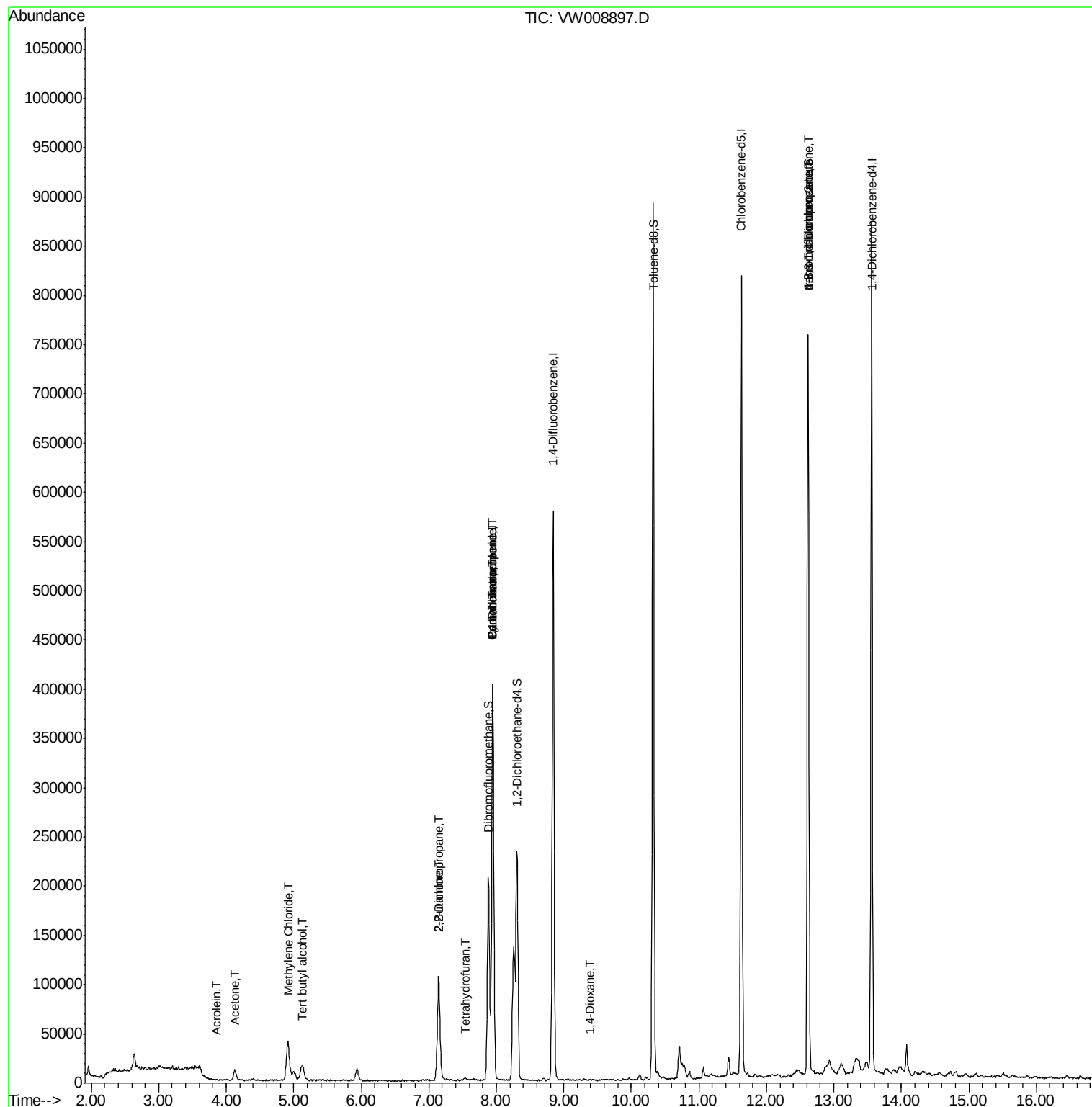
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	14614	56.202	ug/l #	71
13) Acrolein	3.86	56	179	20.381	ug/l #	1
16) Acetone	4.12	43	18879	27.886	ug/l #	85
20) Methylene Chloride	4.92	84	29965	4.317	ug/l	94
25) 2-Butanone	7.15	43	7434	7.854	ug/l #	73
26) 2,2-Dichloropropane	7.15	77	6778	1.372	ug/l #	54
29) Tetrahydrofuran	7.54	42	2371	3.931	ug/l #	78
31) Cyclohexane	7.95	56	6708	1.218	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	24430	5.289	ug/l #	52
38) Carbon Tetrachloride	7.95	117	28873	5.928	ug/l #	17
49) 1,4-Dioxane	9.38	88	28	1.009	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	107923	60.285	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	107923	146.557	ug/l #	6

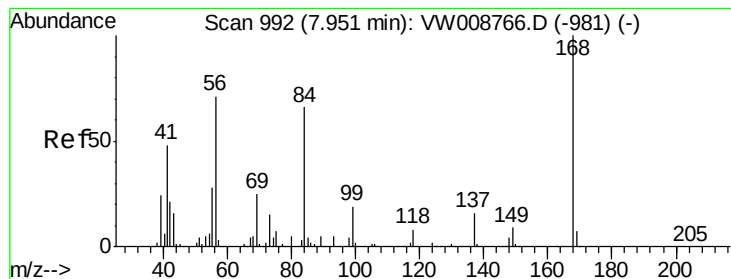
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008897.D

Acq: 28 Feb 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

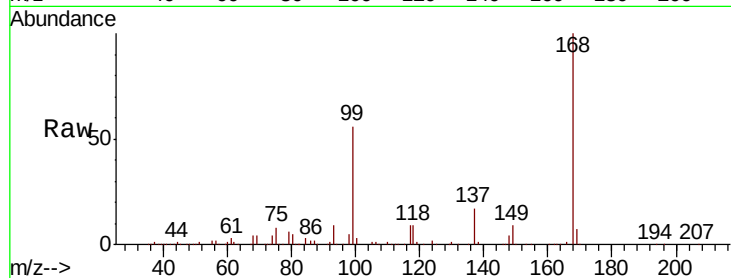
A0C12-1-1.0-1.5

Tot Ion:168 Resp: 311412

Ion Ratio Lower Upper

168 100

99 56.0 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

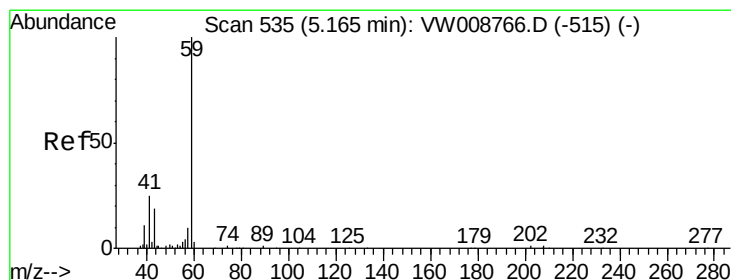
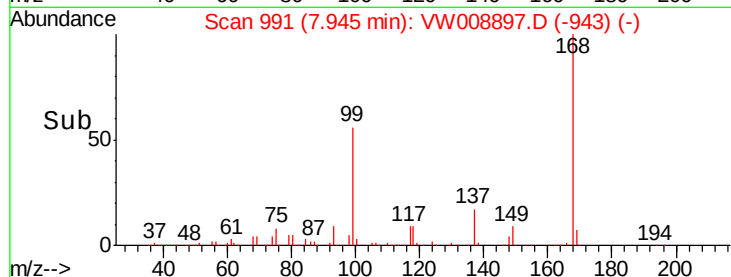
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 56.202 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW008897.D

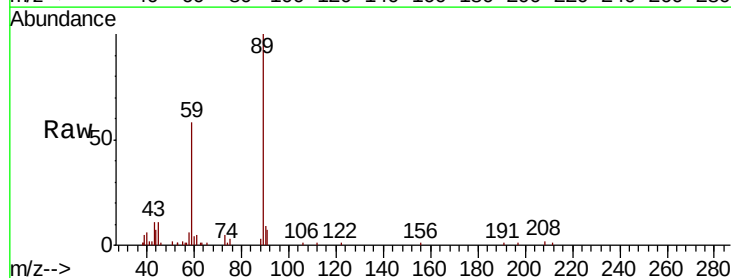
Acq: 28 Feb 2019 19:36

Tgt Ion: 59 Resp: 14614

Ion Ratio Lower Upper

59 100

57 0.5 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

4000

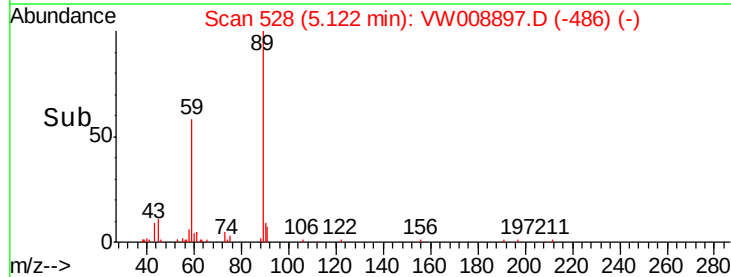
3000

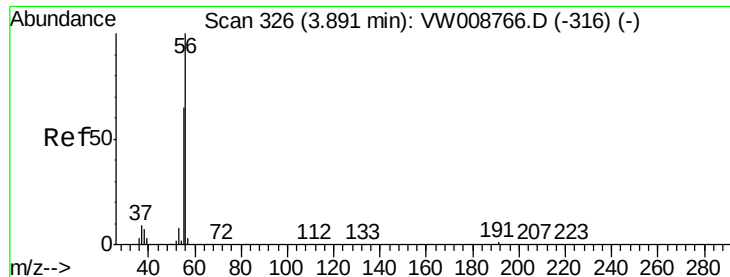
2000

1000

0

Time-->





#13

Acrolein

Concen: 20.381 ug/l

RT: 3.86 min Scan# 321

Delta R.T. -0.03 min

Lab File: VW008897.D

Acq: 28 Feb 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

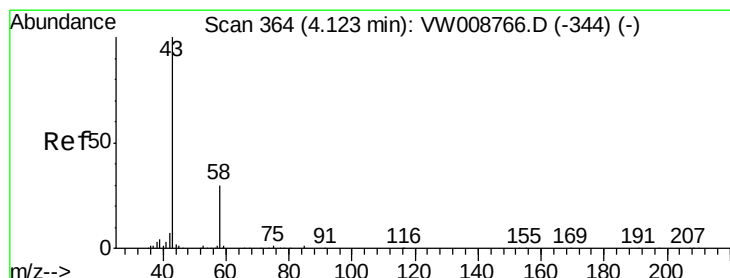
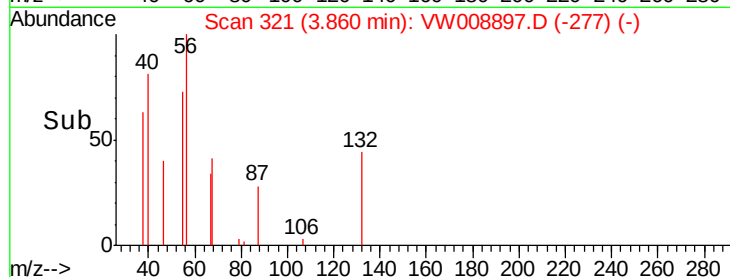
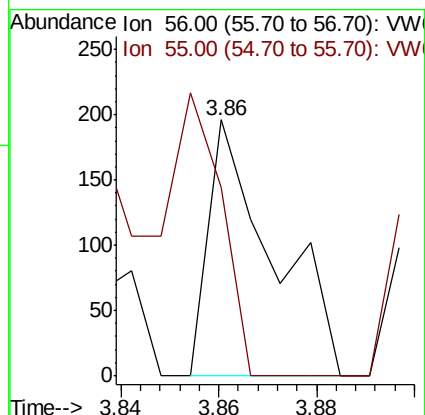
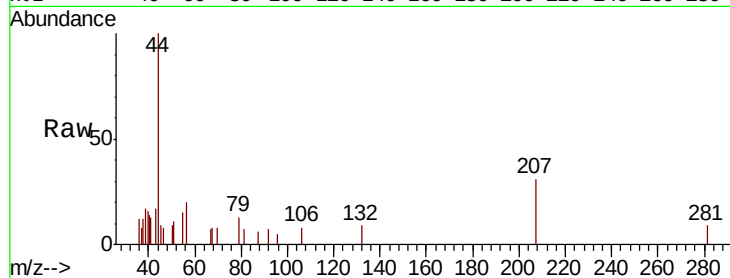
A0C12-1-1.0-1.5

Tot Ion: 56 Resp: 179

Ion Ratio Lower Upper

56 100

55 201.7 56.9 85.3#



#16

Acetone

Concen: 27.886 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW008897.D

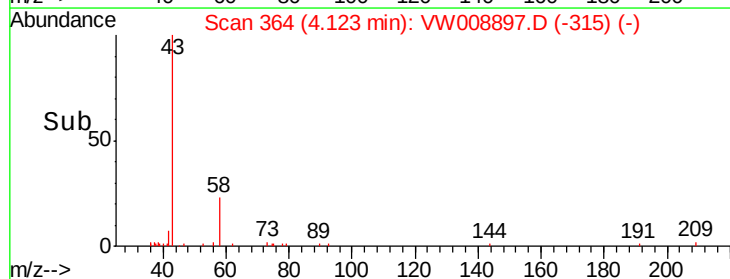
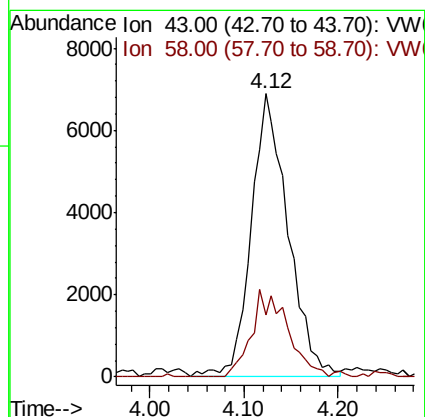
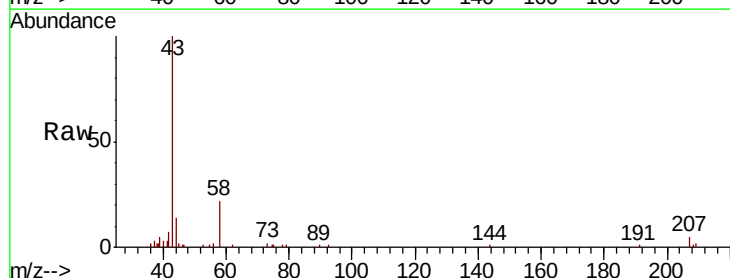
Acq: 28 Feb 2019 19:36

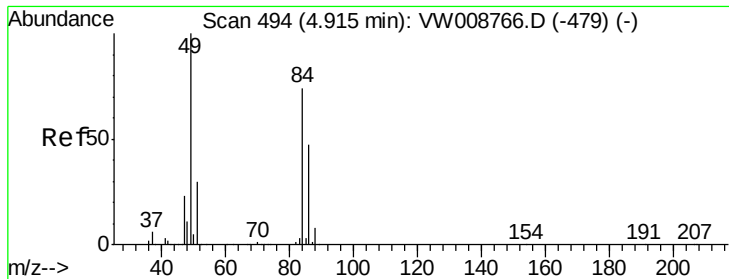
Tgt Ion: 43 Resp: 18879

Ion Ratio Lower Upper

43 100

58 21.7 23.8 35.6#

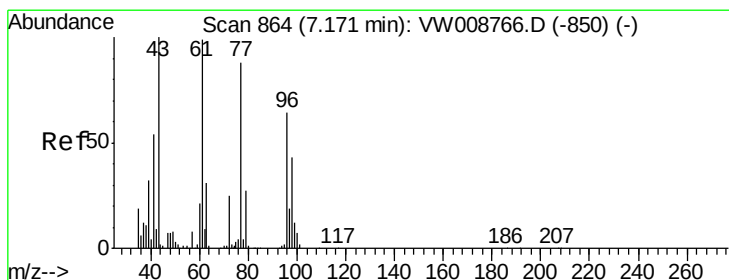
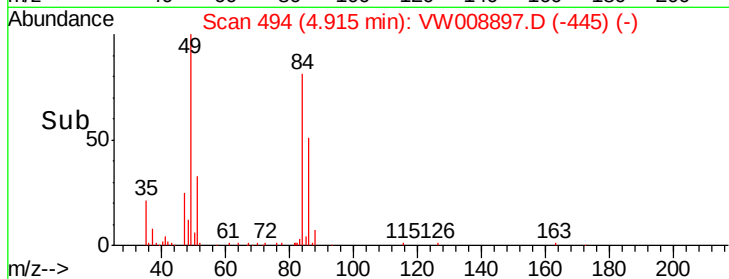
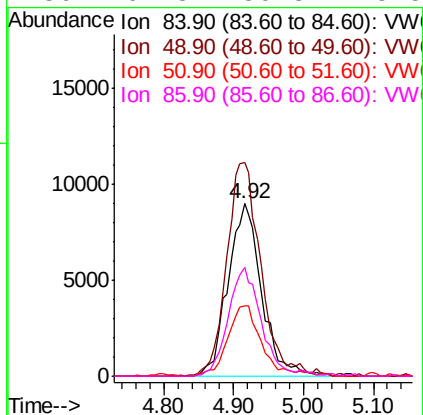
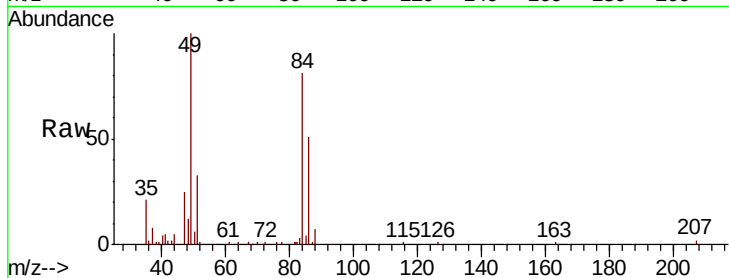




#20
Methylene Chloride
Concen: 4.317 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008897.D
Acq: 28 Feb 2019 19:36

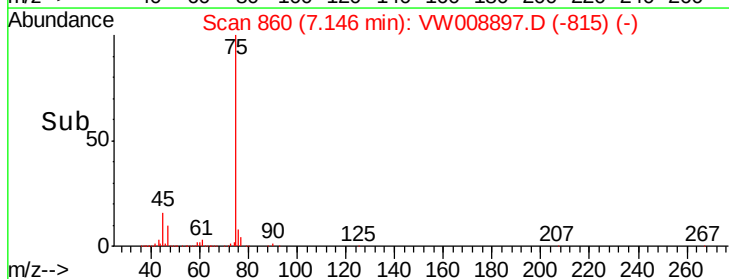
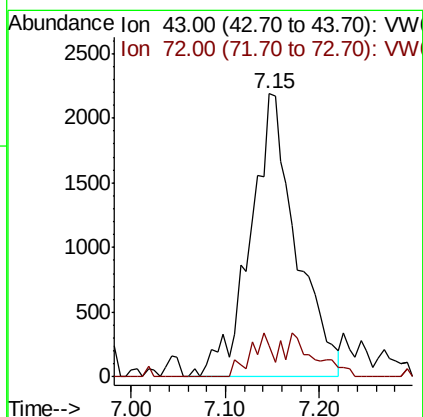
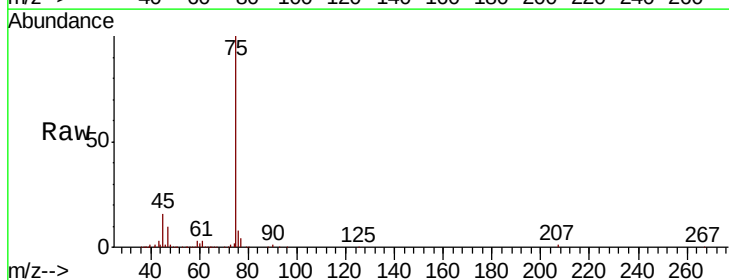
Instrument :
MSVOA_W
ClientSampleId :
A0C12-1-1.0-1.5

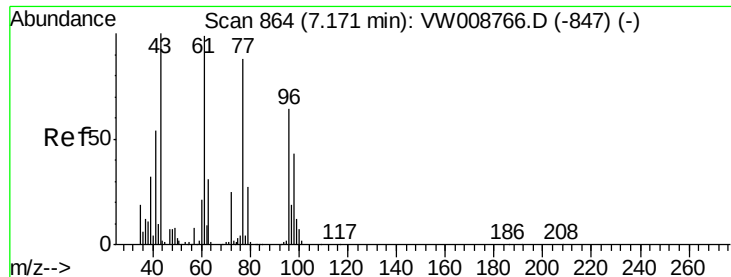
Tot Ion	84	Resp	29965
Ion	Ratio	Lower	Upper
84	100		
49	122.9	108.2	162.2
51	40.5	32.7	49.1
86	62.8	50.3	75.5



#25
2-Butanone
Concen: 7.854 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW008897.D
Acq: 28 Feb 2019 19:36

Tgt Ion	43	Resp	7434
Ion	Ratio	Lower	Upper
43	100		
72	11.1	19.7	29.5#





#26

2,2-Dichloropropane

Concen: 1.372 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008897.D

Acq: 28 Feb 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

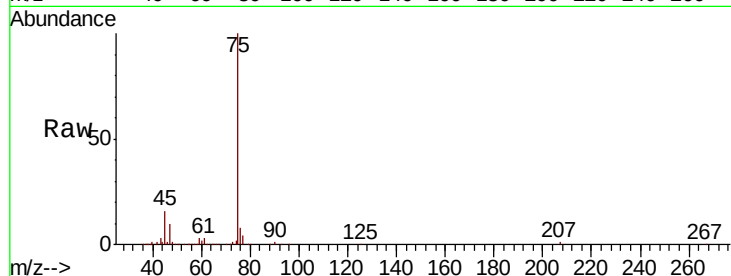
A0C12-1-1.0-1.5

Tot Ion: 77 Resp: 6778

Ion Ratio Lower Upper

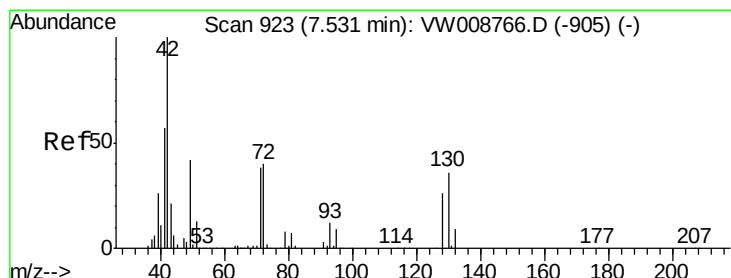
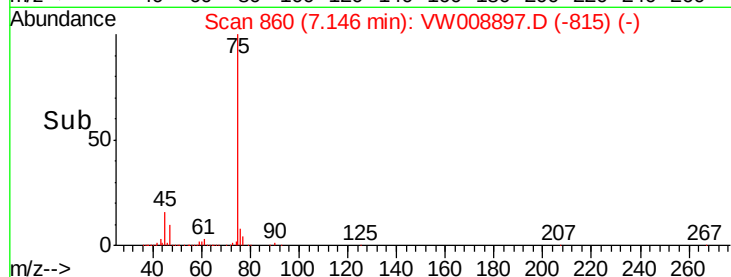
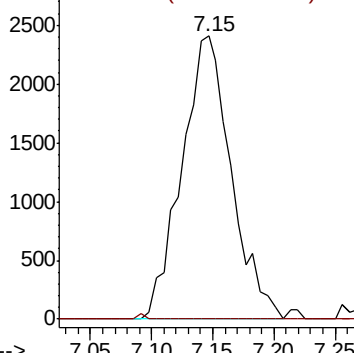
77 100

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: 3.931 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008897.D

Acq: 28 Feb 2019 19:36

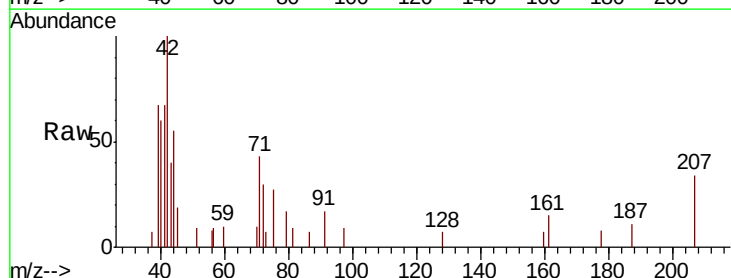
Tgt Ion: 42 Resp: 2371

Ion Ratio Lower Upper

42 100

72 23.4 32.7 49.1#

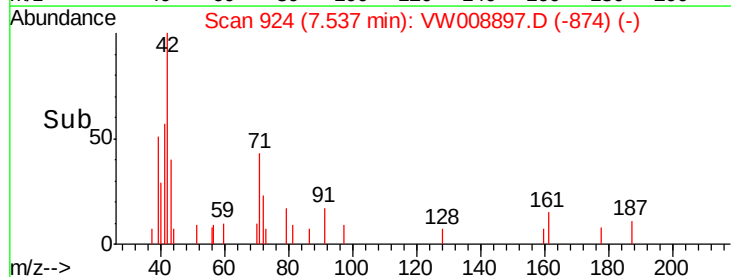
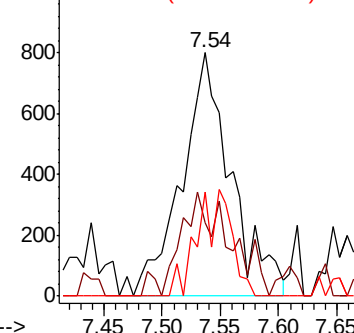
71 29.9 31.3 46.9#

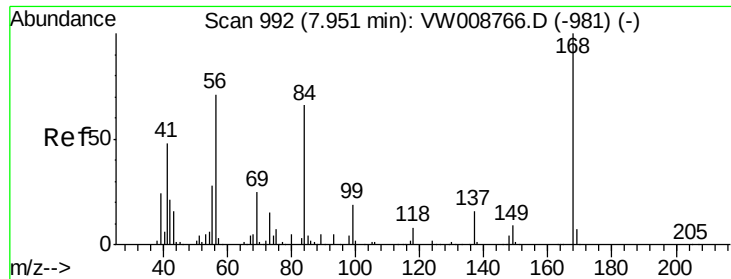


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

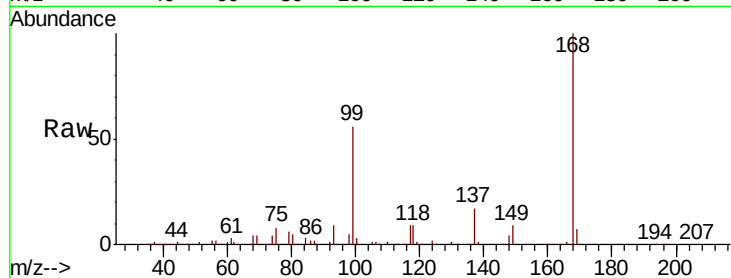




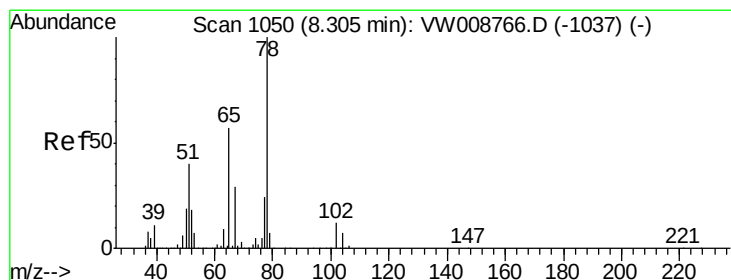
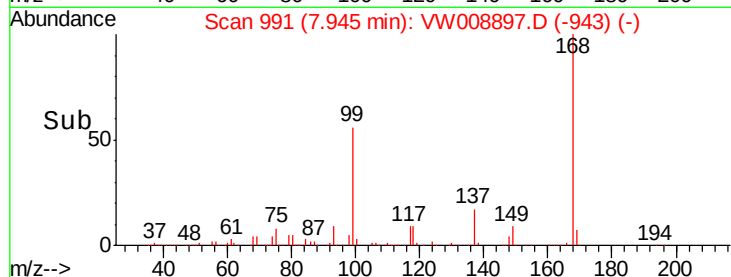
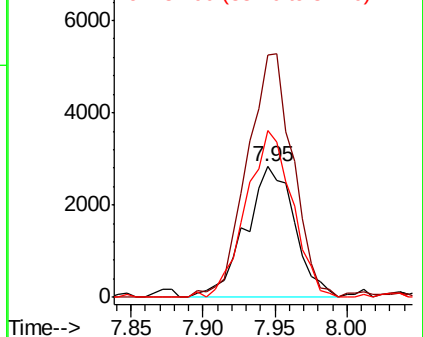
#31
Cyclohexane
Concen: 1.218 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008897.D
Acq: 28 Feb 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
A0C12-1-1.0-1.5

Tot Ion: 56 Resp: 6708
Ion Ratio Lower Upper
56 100
69 185.0 28.2 42.4#
84 127.1 74.1 111.1#

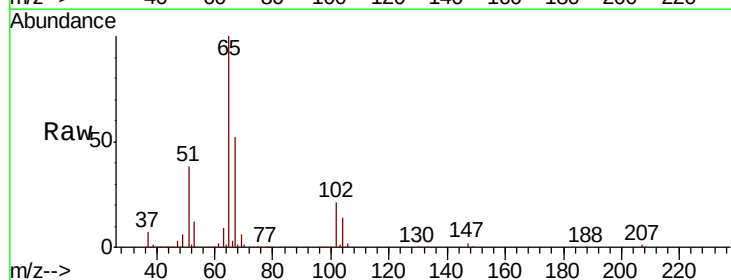


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

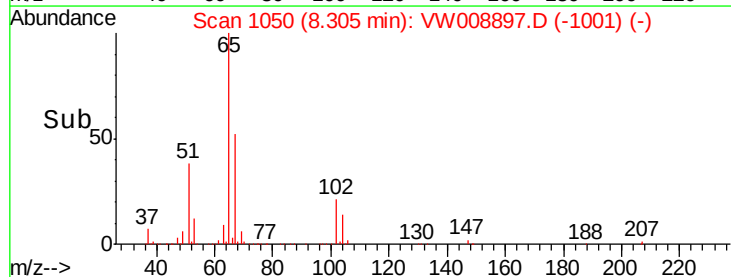
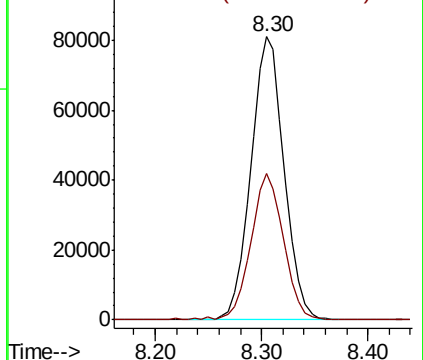


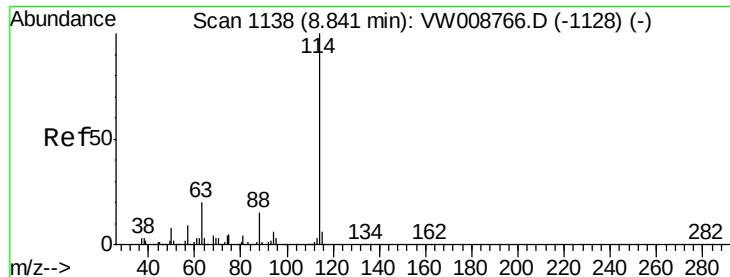
#33
1,2-Dichloroethane-d4
Concen: 60.439 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008897.D
Acq: 28 Feb 2019 19:36

Tgt Ion: 65 Resp: 176528
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: VW008897.D

Acq: 28 Feb 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

A0C12-1-1.0-1.5

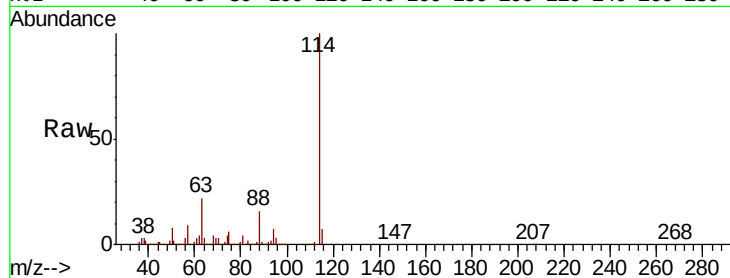
Tot Ion:114 Resp: 474478

Ion Ratio Lower Upper

114 100

63 22.0 0.0 40.8

88 15.8 0.0 30.4



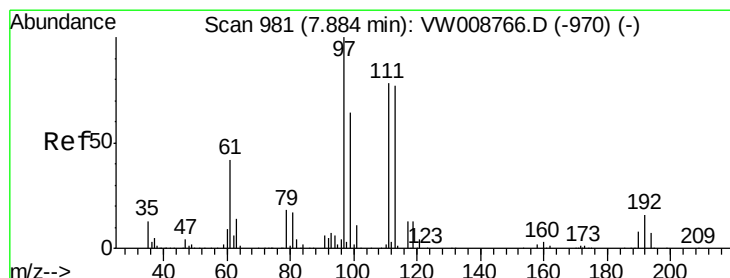
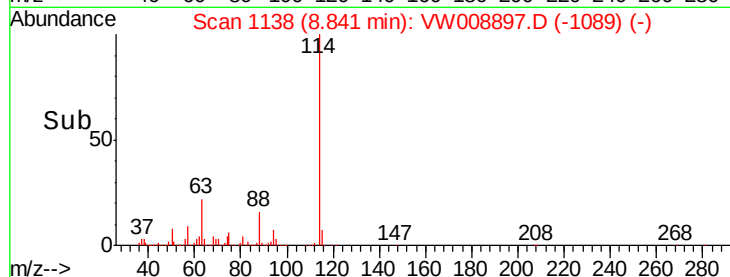
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

Time-->



#35

Dibromofluoromethane

Concen: 49.188 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008897.D

Acq: 28 Feb 2019 19:36

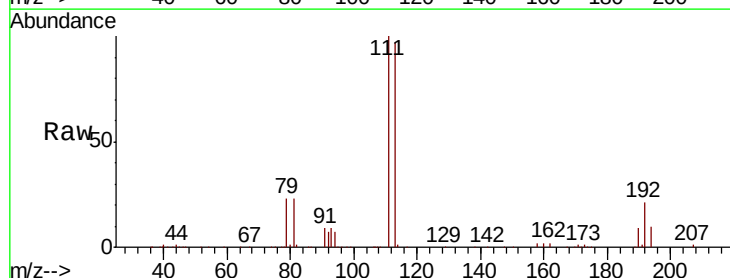
Tgt Ion:113 Resp: 140128

Ion Ratio Lower Upper

113 100

111 104.3 81.9 122.9

192 21.8 17.1 25.7



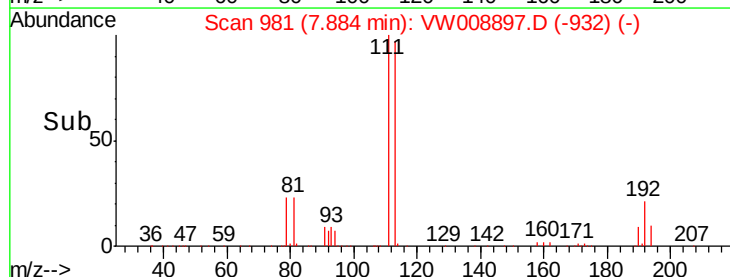
Abundance Ion 112.80 (112.50 to 113.50): V

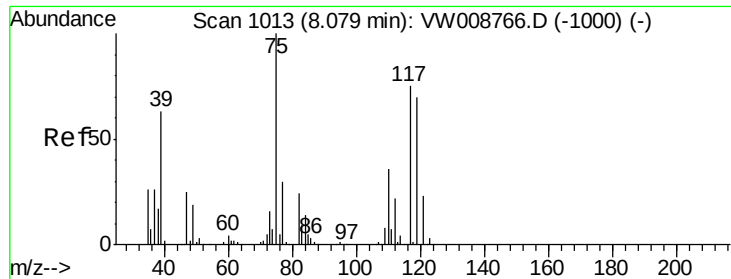
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.88

Time-->

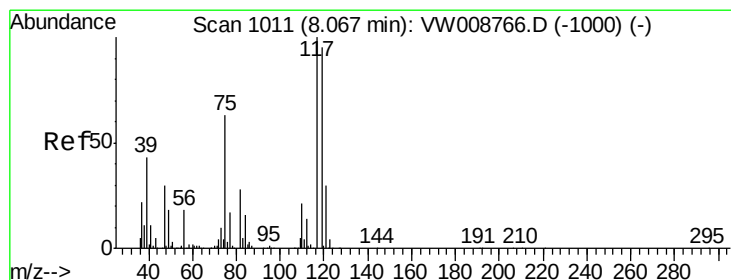
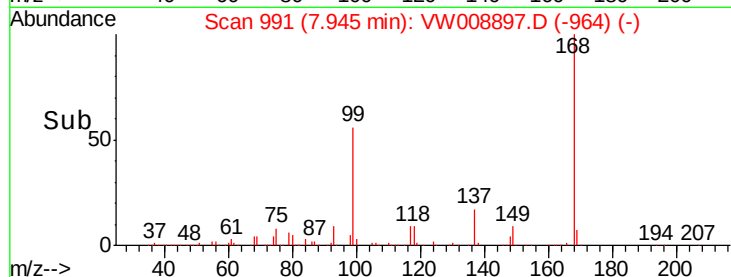
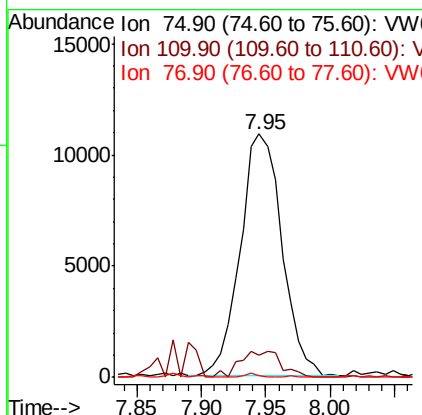
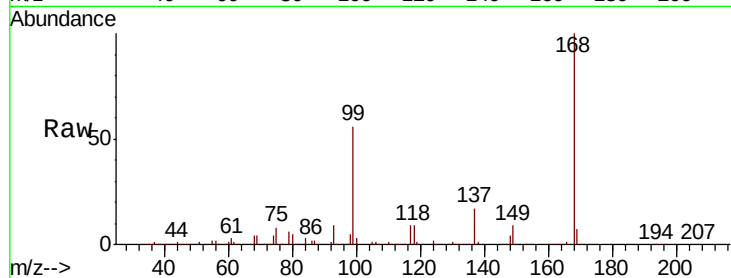




#36
 1,1-Dichloropropene
 Concen: 5.289 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008897.D
 Acq: 28 Feb 2019 19:36

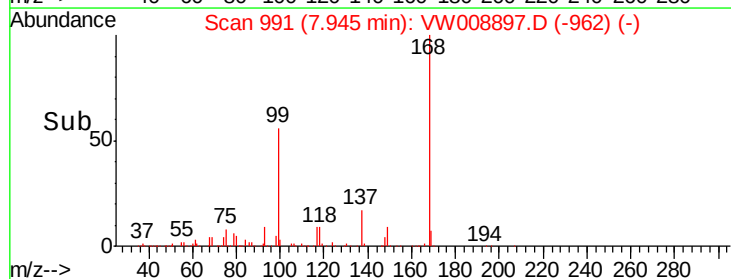
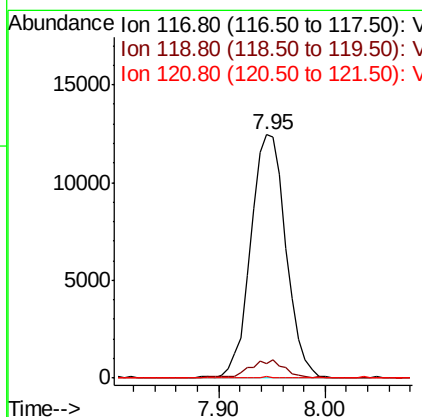
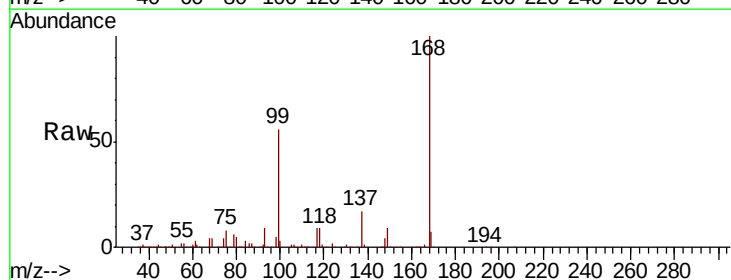
Instrument :
 MSVOA_W
 ClientSampleId :
 A0C12-1-1.0-1.5

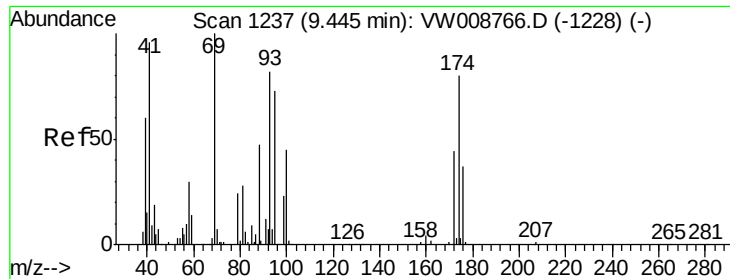
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.7	17.5	52.6#
77	0.5	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 5.928 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008897.D
 Acq: 28 Feb 2019 19:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	76.1	114.1#
121	0.7	24.0	36.0#

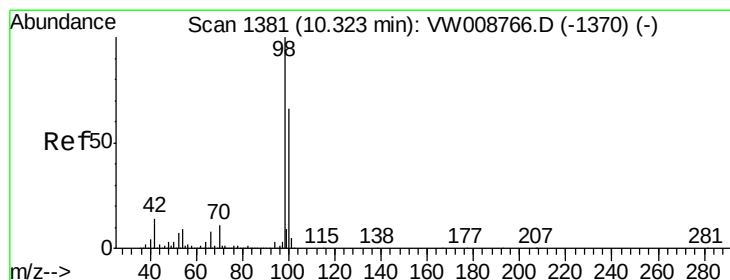
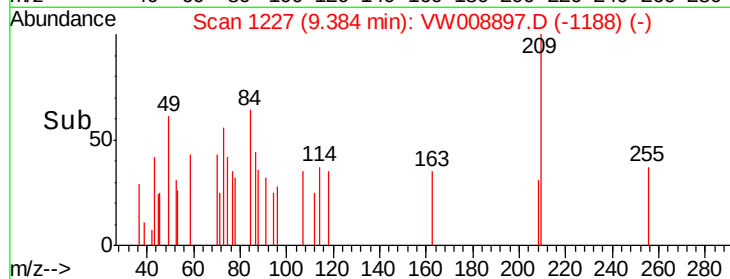
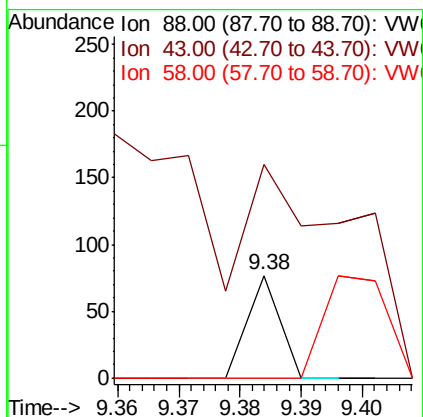
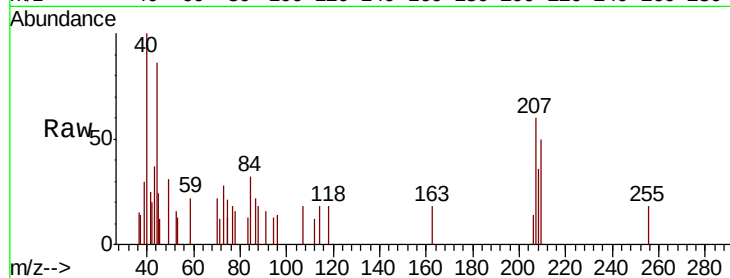




#49
1,4-Dioxane
Concen: 1.009 ug/l
RT: 9.38 min Scan# 1227
Delta R.T. -0.06 min
Lab File: VW008897.D
Acq: 28 Feb 2019 19:36

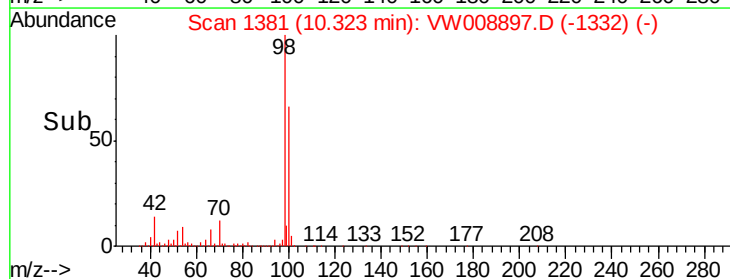
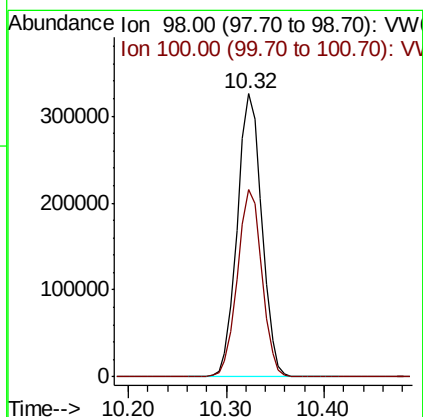
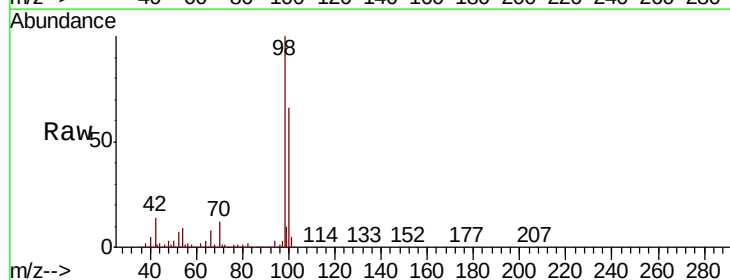
Instrument :
MSVOA_W
ClientSampleId :
A0C12-1-1.0-1.5

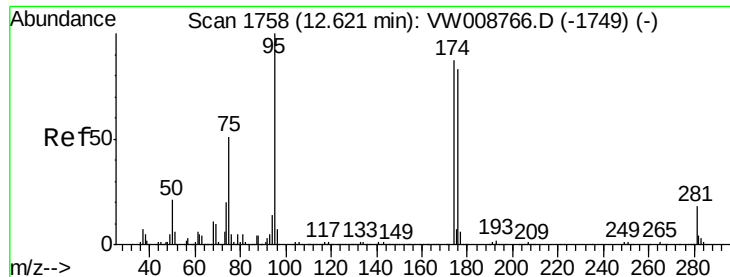
Tot Ion	88	Resp	28
Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	196.4	52.0	78.0#



#50
Toluene-d8
Concen: 51.805 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008897.D
Acq: 28 Feb 2019 19:36

Tgt Ion	98	Resp	569714
Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.4	78.6

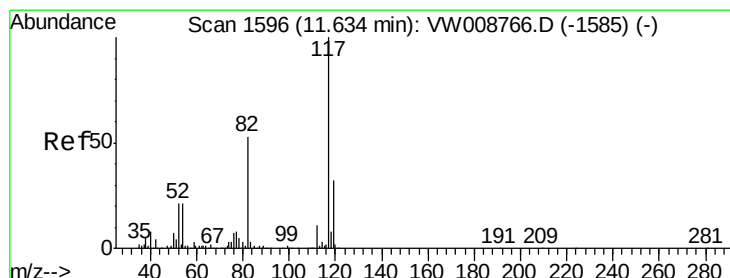
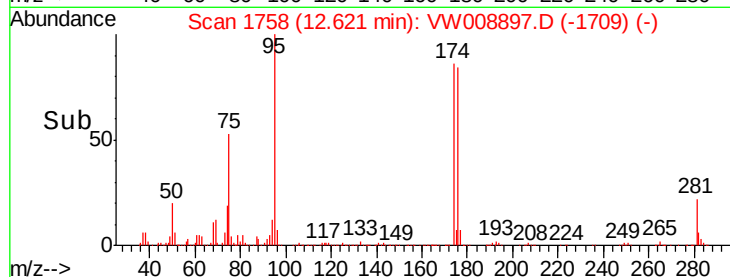
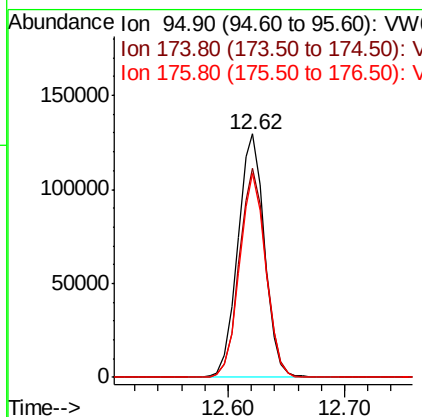
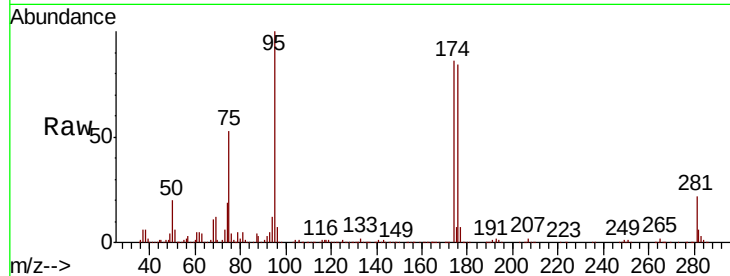




#62
4-Bromofluorobenzene
Concen: 47.834 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008897.D
Acq: 28 Feb 2019 19:36

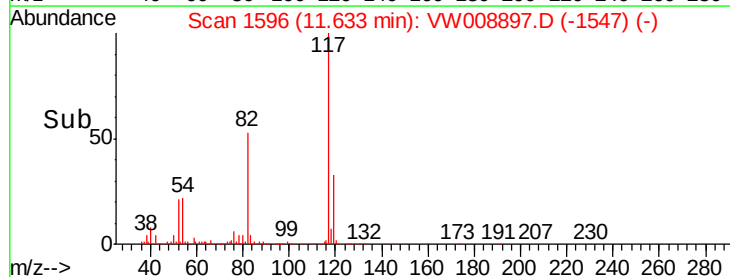
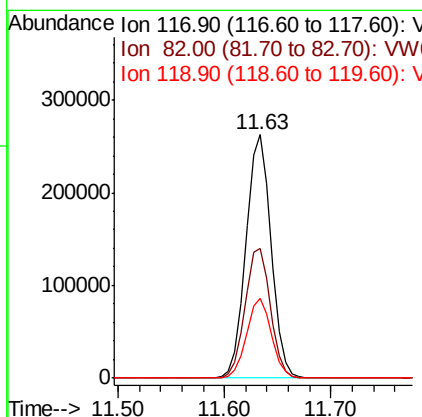
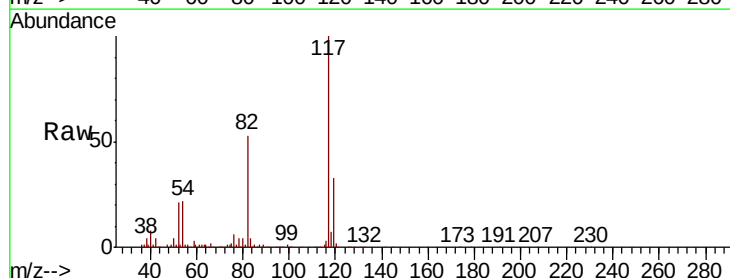
Instrument :
MSVOA_W
ClientSampled :
A0C12-1-1.0-1.5

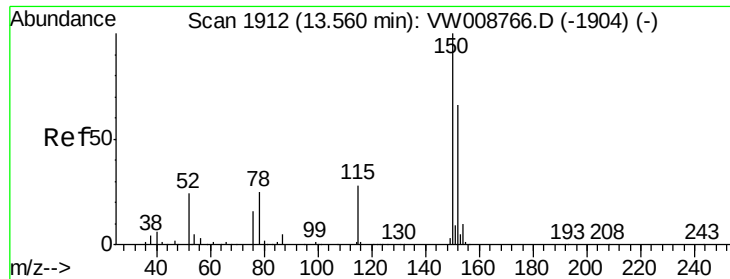
Tot Ion	Ratio	Lower	Upper
95	100		
174	85.9	0.0	169.2
176	82.7	0.0	163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008897.D
Acq: 28 Feb 2019 19:36

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.2	63.4
119	33.0	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: VW008897.D

Acq: 28 Feb 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

A0C12-1-1.0-1.5

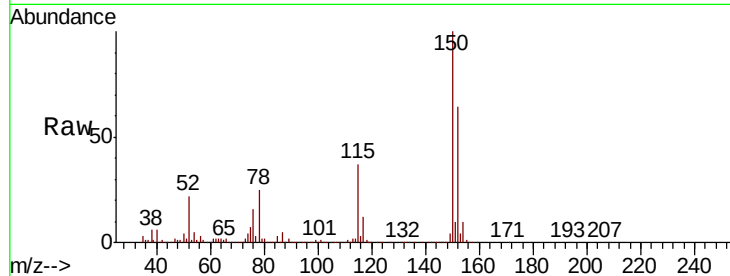
Tot Ion:152 Resp: 216830

Ion Ratio Lower Upper

152 100

115 56.8 28.6 85.8

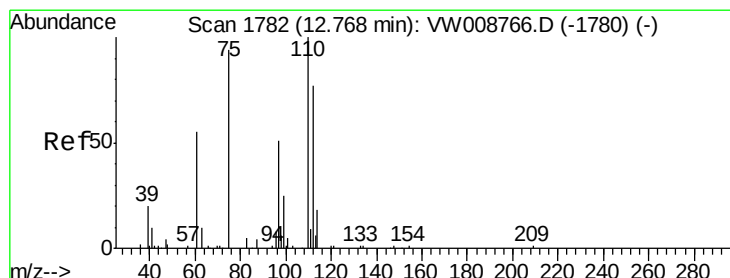
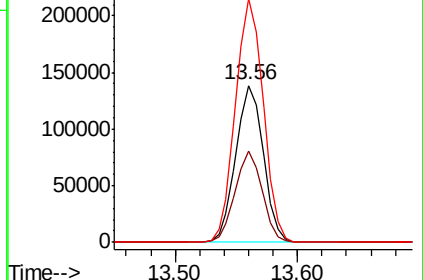
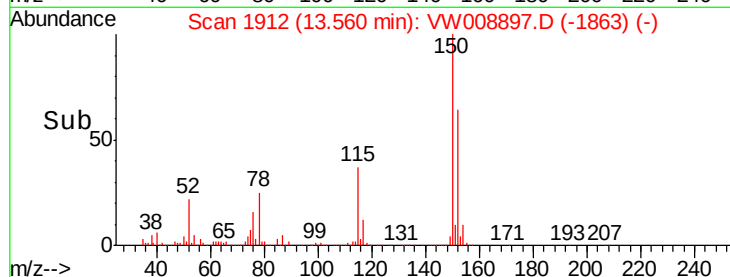
150 156.4 0.0 348.0



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: 60.285 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008897.D

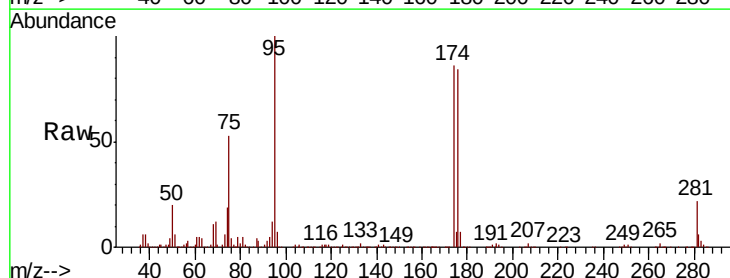
Acq: 28 Feb 2019 19:36

Tgt Ion: 75 Resp: 107923

Ion Ratio Lower Upper

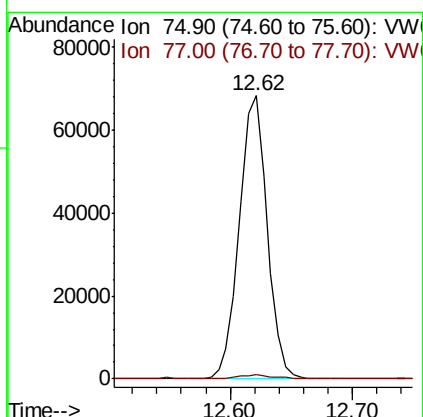
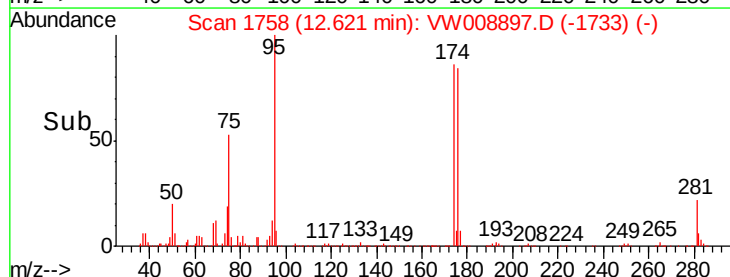
75 100

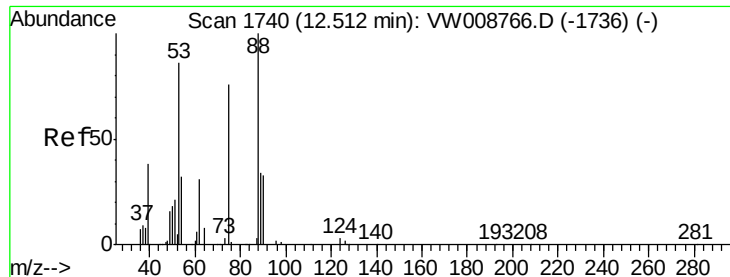
77 1.6 0.0 0.0#



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: 146.557 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008897.D

Acq: 28 Feb 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

A0C12-1-1.0-1.5

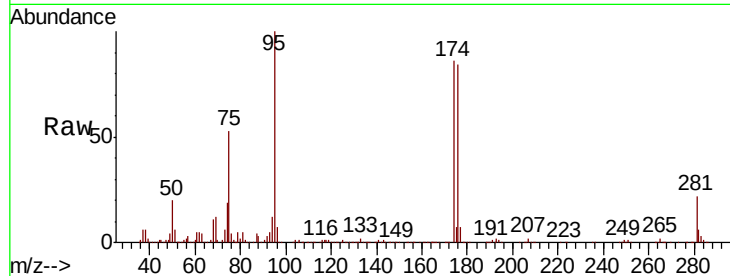
Tot Ion: 75 Resp: 107923

Ion Ratio Lower Upper

75 100

53 0.2 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

