

Data File : VW008539.D
Acq On : 06 Feb 2019 20:21
Operator : SY/VA
Sample : K1389-11
Misc : 4.66G/5ML/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
M-5S

Quant Time: Feb 07 01:52:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	508454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	825418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	750855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	372769	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	279261	55.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.82%	
35) Dibromofluoromethane	7.88	113	243993	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	10.32	98	980125	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.62	95	362073	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	

Target Compounds

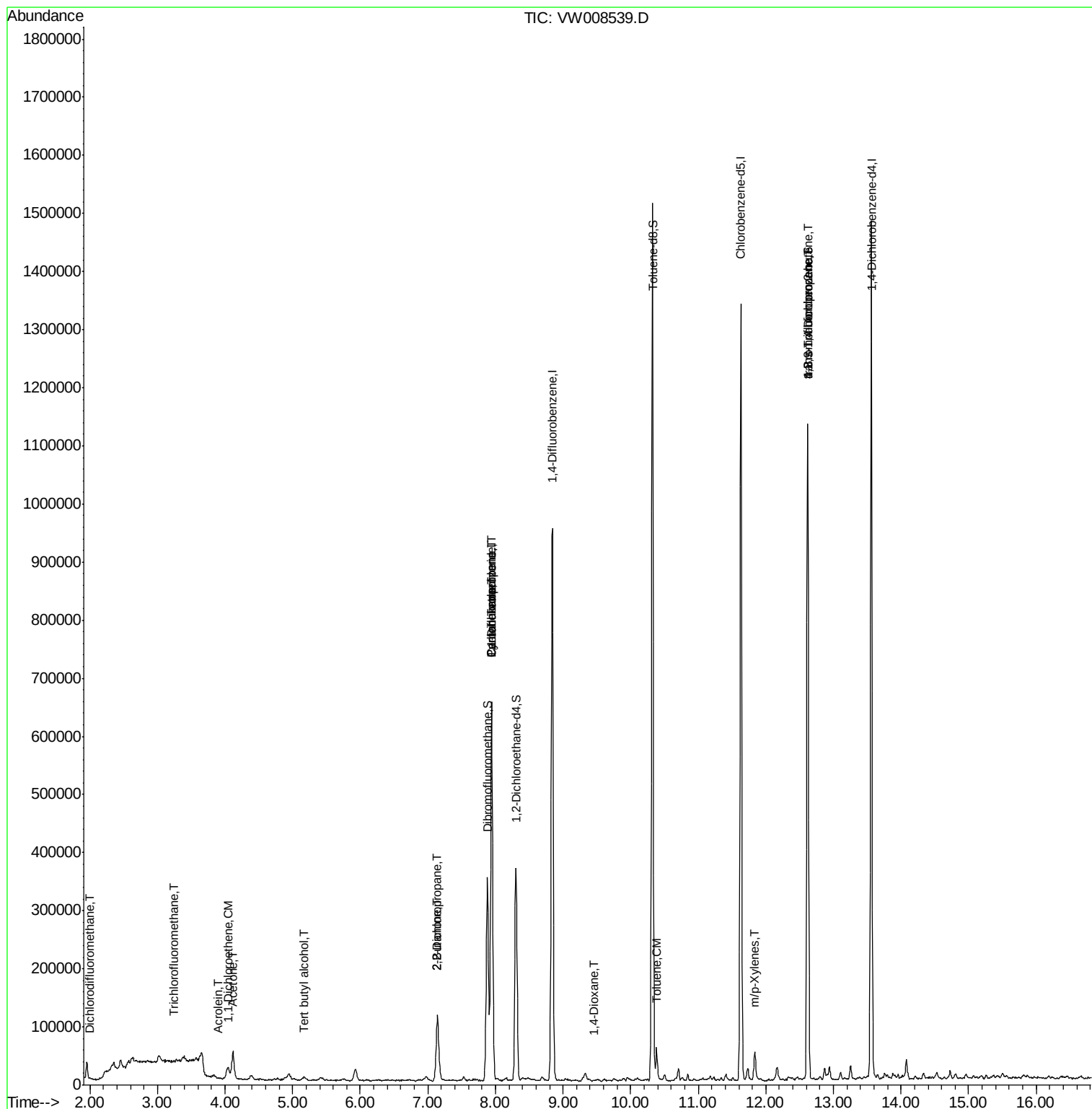
						Qvalue
2) Dichlorodifluoromethane	2.00	85	230	3.326	ug/l #	41
7) Trichlorofluoromethane	3.25	101	49	4.734	ug/l #	70
11) Tert butyl alcohol	5.17	59	8881	22.083	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	15100	3.245	ug/l	89
13) Acrolein	3.91	56	143	4.582	ug/l #	1
16) Acetone	4.12	43	76851	68.512	ug/l	95
25) 2-Butanone	7.14	43	5550	3.562	ug/l #	76
26) 2,2-Dichloropropane	7.14	77	8164	1.274	ug/l #	54
31) Cyclohexane	7.94	56	13286	1.355	ug/l #	40
36) 1,1-Dichloropropene	7.95	75	36478	4.678	ug/l #	51
38) Carbon Tetrachloride	7.94	117	46696	5.952	ug/l #	19
49) 1,4-Dioxane	9.45	88	204	4.350	ug/l #	23
52) Toluene	10.38	92	22360	1.566	ug/l	100
68) m/p-Xylenes	11.84	106	12488	1.142	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	184308	56.868	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	184308	112.319	ug/l #	12

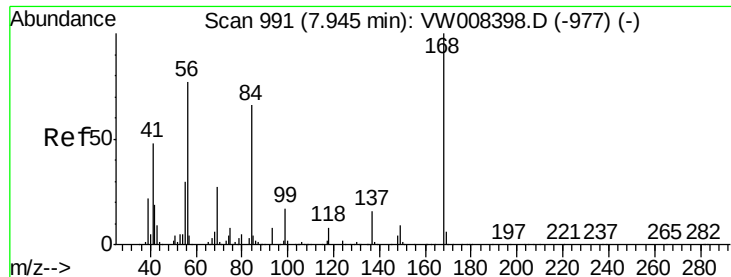
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008539.D

Acq: 06 Feb 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

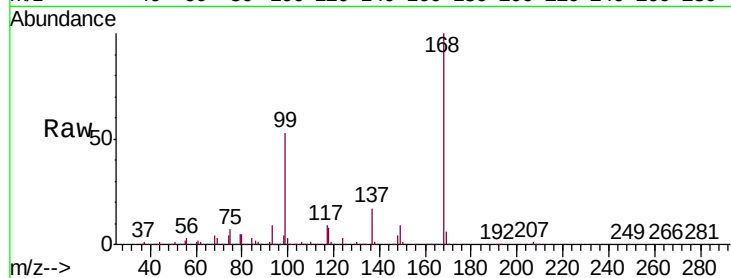
M-5S

Tgt Ion:168 Resp: 508454

Ion Ratio Lower Upper

168 100

99 53.0 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

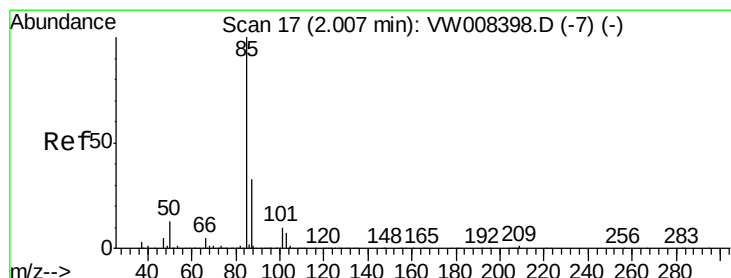
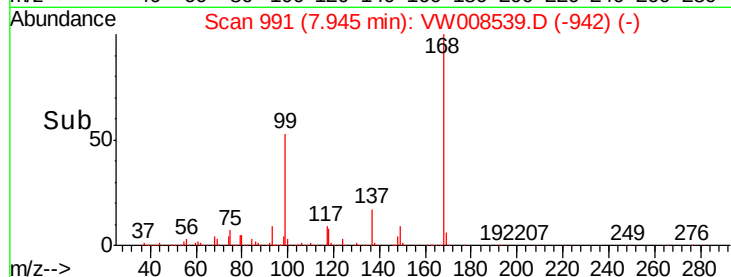
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.326 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008539.D

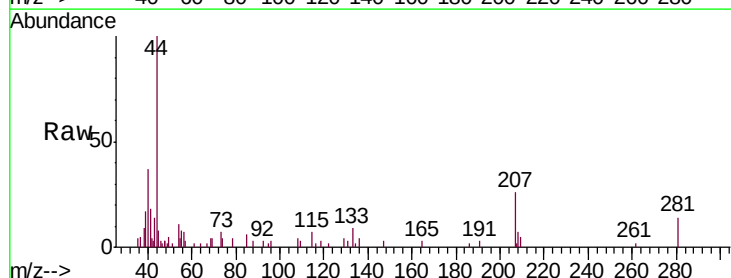
Acq: 06 Feb 2019 20:21

Tgt Ion: 85 Resp: 230

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

200

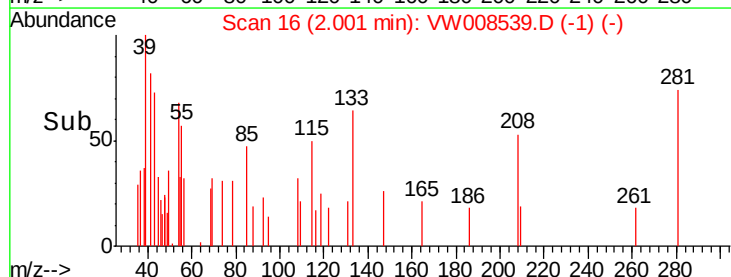
150

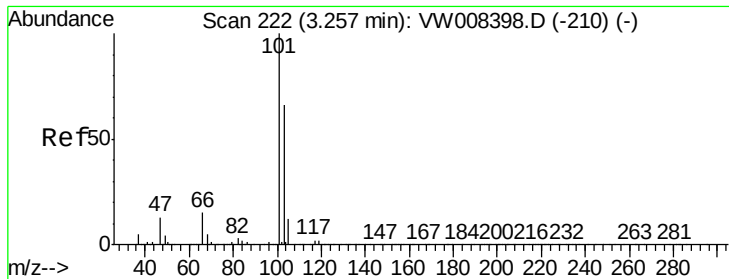
100

50

0

Time-->



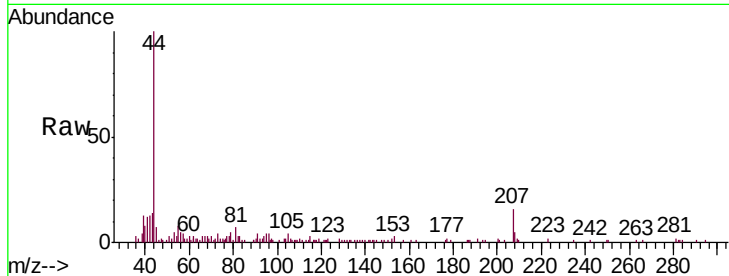


#7

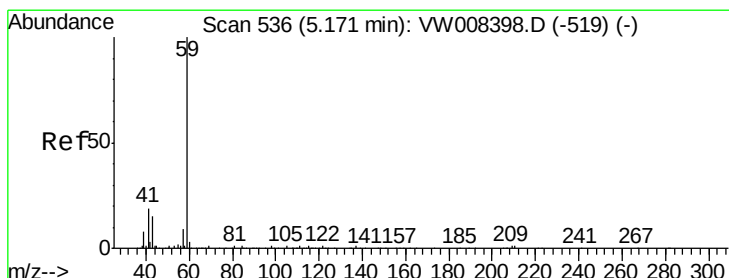
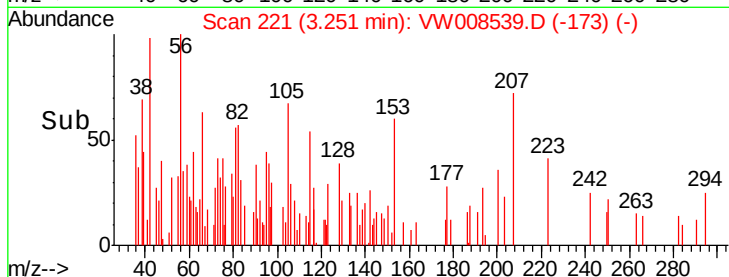
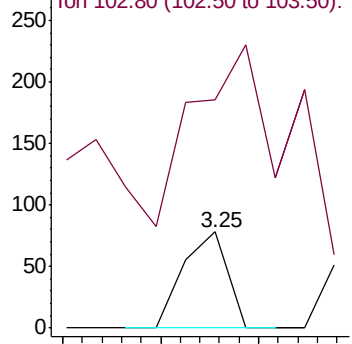
Trichlorofluoromethane
 Concen: 4.734 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008539.D
 Acq: 06 Feb 2019 20:21

Instrument :
 MSVOA_W
 ClientSampleId :
 M-5S

Tgt Ion: 101 Resp: 49
 Ion Ratio Lower Upper
 101 100
 103 89.7 52.5 78.7#



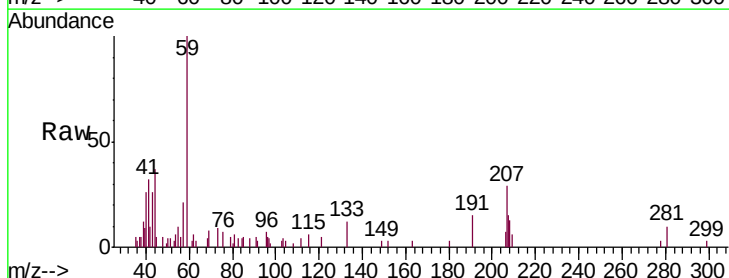
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



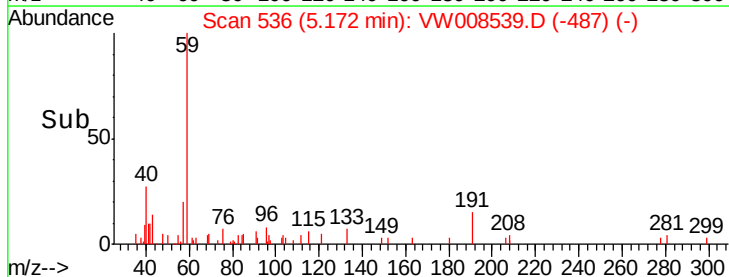
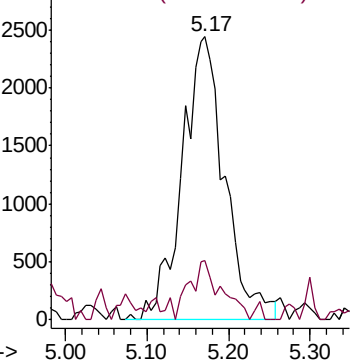
#11

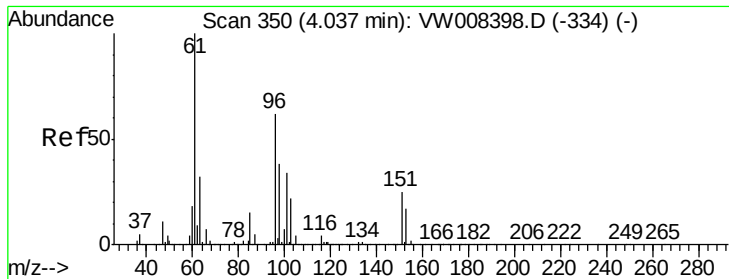
Tert butyl alcohol
 Concen: 22.083 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW008539.D
 Acq: 06 Feb 2019 20:21

Tgt Ion: 59 Resp: 8881
 Ion Ratio Lower Upper
 59 100
 57 16.5 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW
 Ion 57.00 (56.70 to 57.70): VW





#12

1,1-Dichloroethene

Concen: 3.245 ug/l

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW008539.D

Acq: 06 Feb 2019 20:21

Instrument :

MSVOA_W

ClientSampled :

M-5S

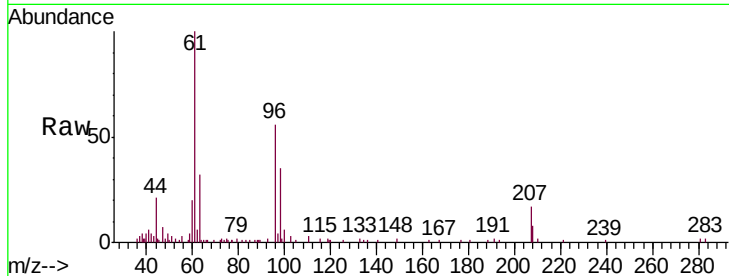
Tgt Ion: 96 Resp: 15100

Ion Ratio Lower Upper

96 100

61 181.8 129.5 194.3

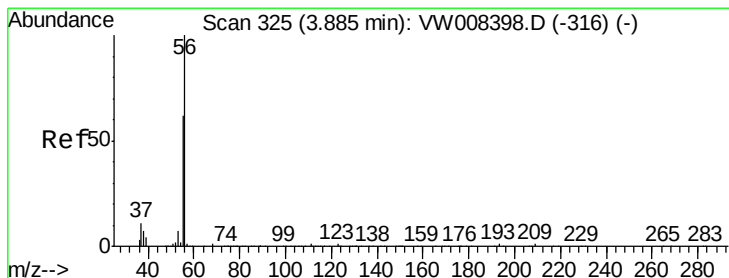
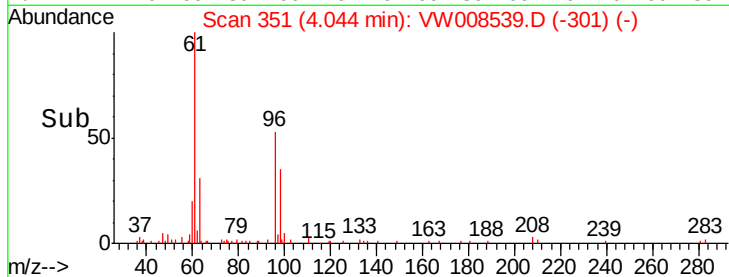
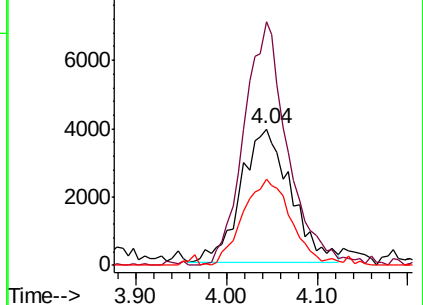
98 61.1 48.6 73.0



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#13

Acrolein

Concen: 4.582 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.02 min

Lab File: VW008539.D

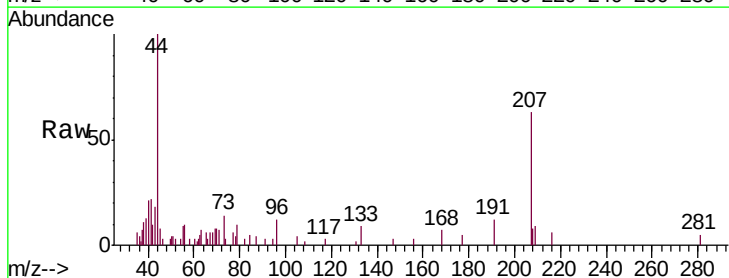
Acq: 06 Feb 2019 20:21

Tgt Ion: 56 Resp: 143

Ion Ratio Lower Upper

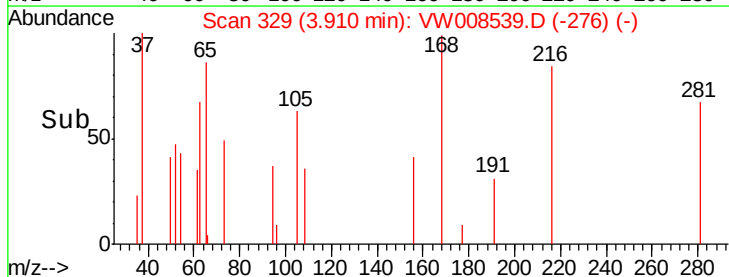
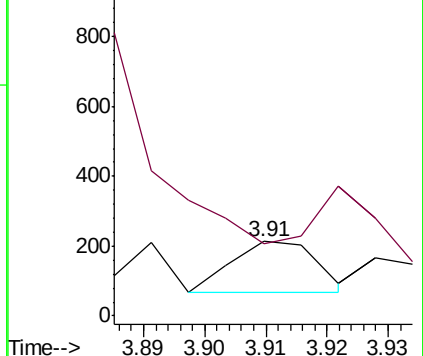
56 100

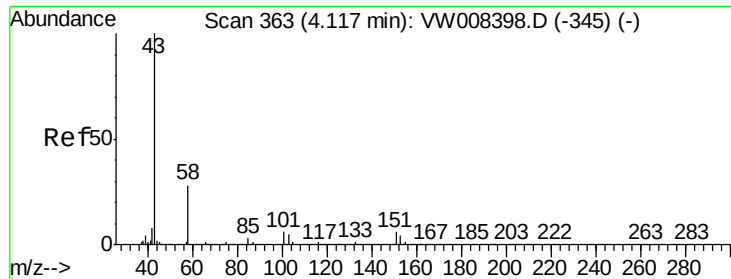
55 217.5 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

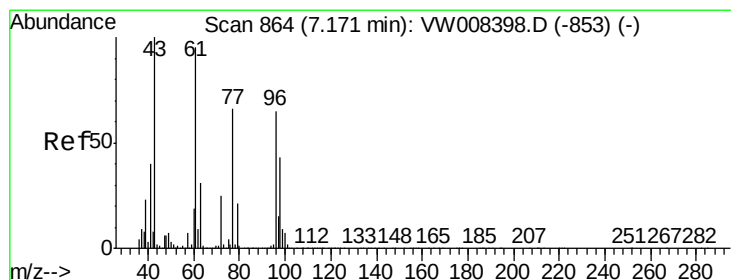
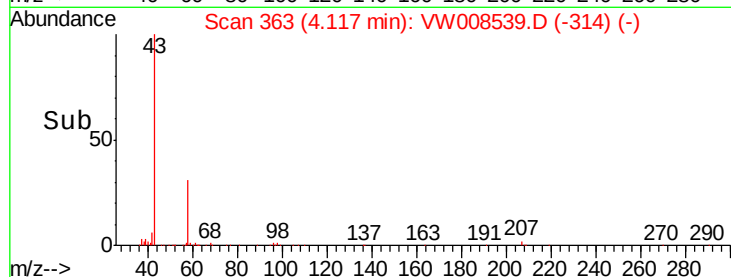
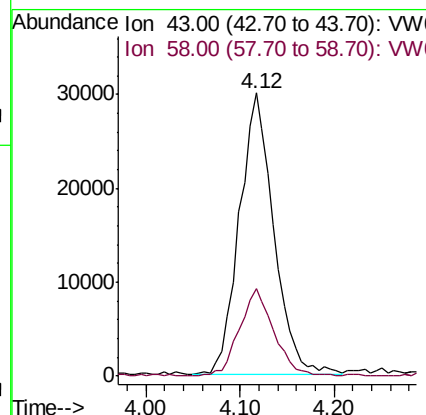
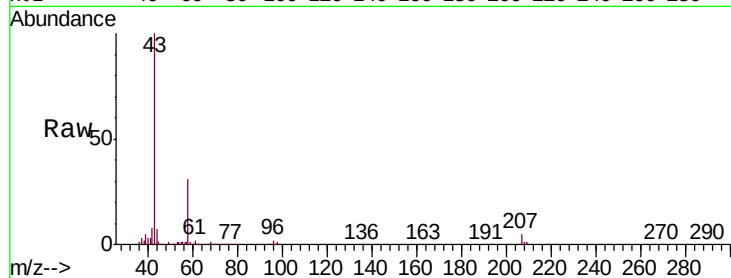




#16
Acetone
Concen: 68.512 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW008539.D
Acq: 06 Feb 2019 20:21

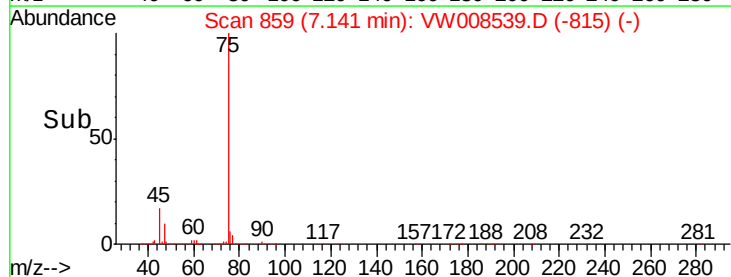
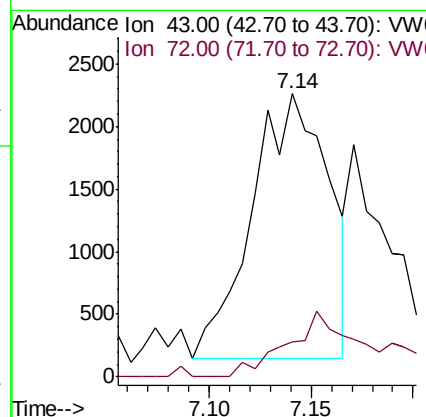
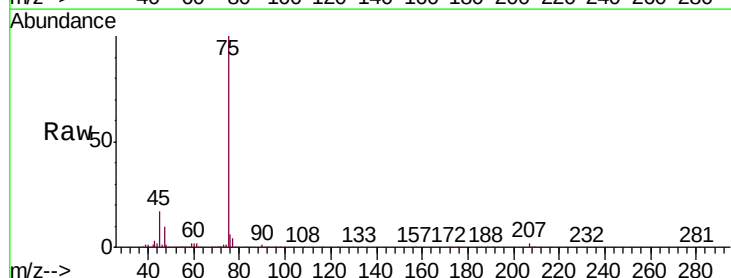
Instrument :
MSVOA_W
ClientSampleId :
M-5S

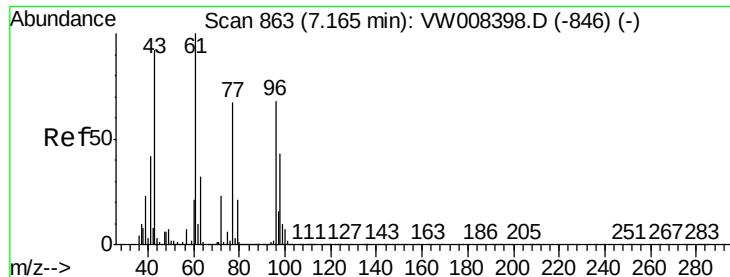
Tgt Ion: 43 Resp: 76851
Ion Ratio Lower Upper
43 100
58 30.8 22.6 34.0



#25
2-Butanone
Concen: 3.562 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW008539.D
Acq: 06 Feb 2019 20:21

Tgt Ion: 43 Resp: 5550
Ion Ratio Lower Upper
43 100
72 13.1 20.1 30.1#

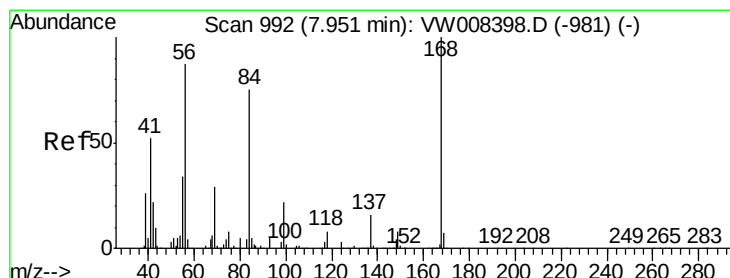
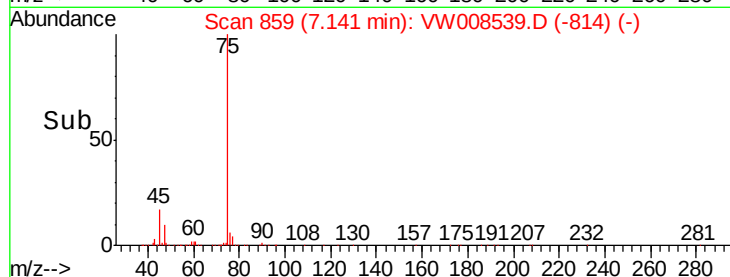
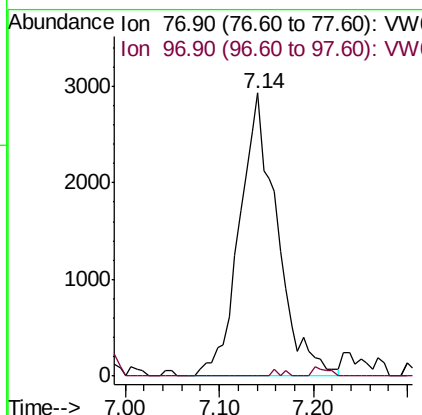
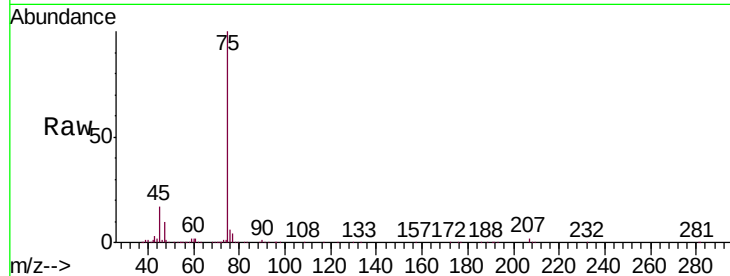




#26
 2,2-Dichloropropane
 Concen: 1.274 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW008539.D
 Acq: 06 Feb 2019 20:21

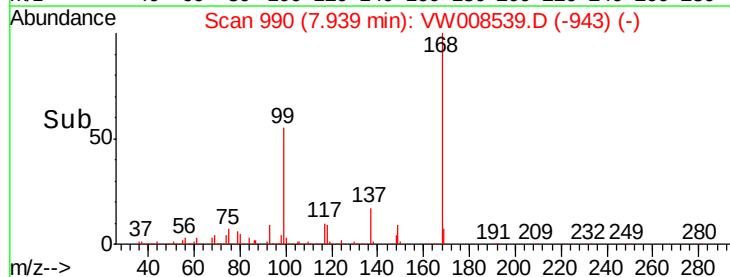
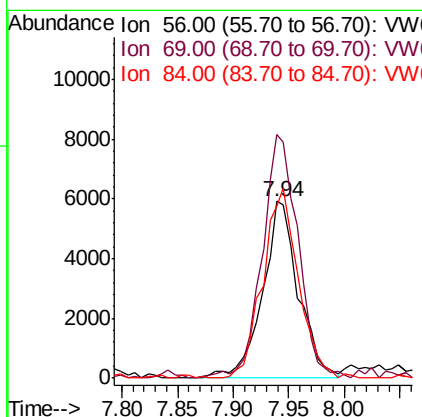
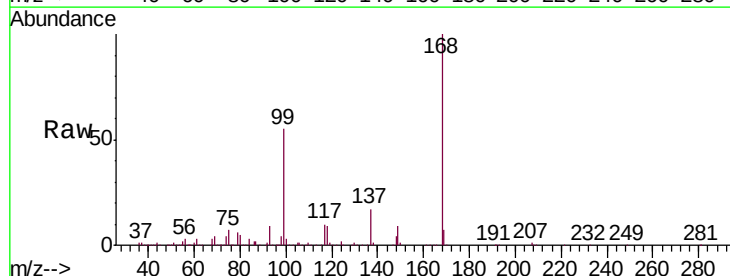
Instrument :
 MSVOA_W
 ClientSampleId :
 M-5S

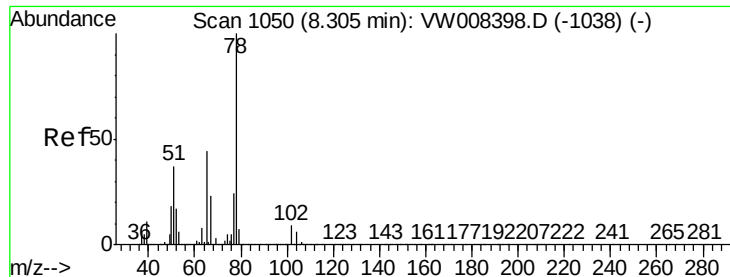
Tgt Ion: 77 Resp: 8164
 Ion Ratio Lower Upper
 77 100
 97 0.6 11.5 34.5#



#31
 Cyclohexane
 Concen: 1.355 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VW008539.D
 Acq: 06 Feb 2019 20:21

Tgt Ion: 56 Resp: 13286
 Ion Ratio Lower Upper
 56 100
 69 138.0 26.4 39.6#
 84 97.8 69.1 103.7

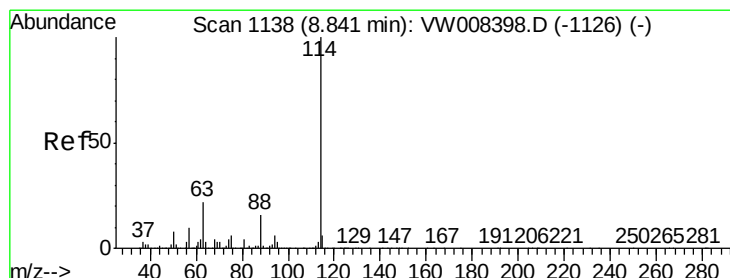
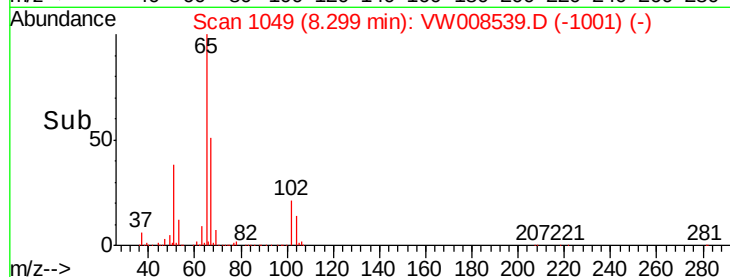
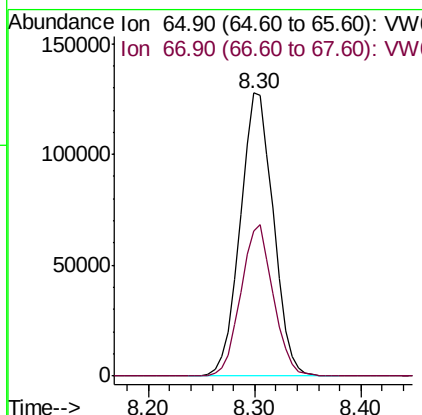
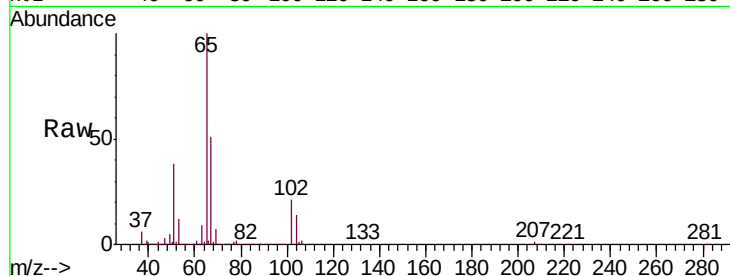




#33
 1,2-Dichloroethane-d4
 Concen: 55.907 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008539.D
 Acq: 06 Feb 2019 20:21

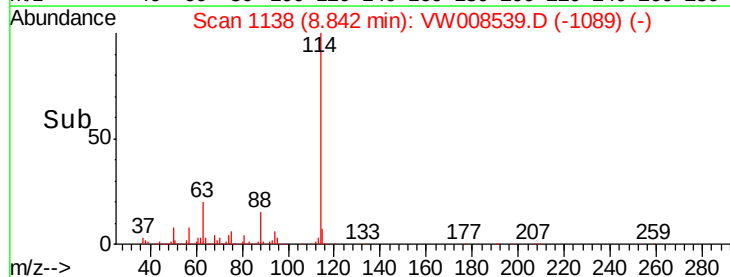
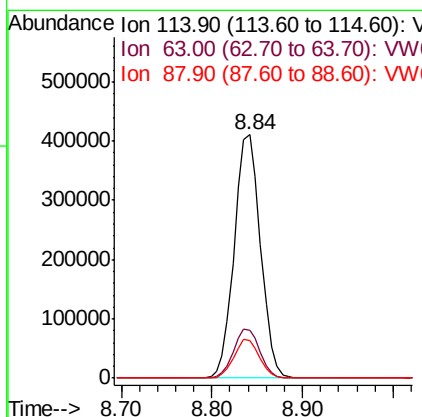
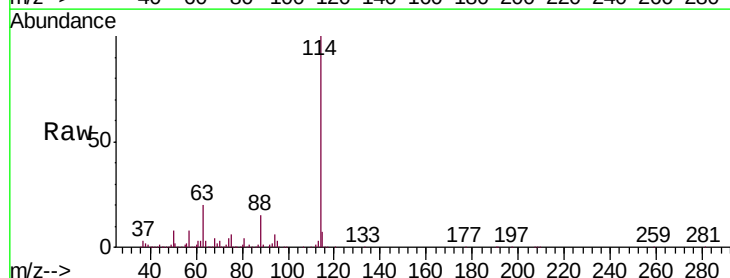
Instrument :
 MSVOA_W
 ClientSampleId :
 M-5S

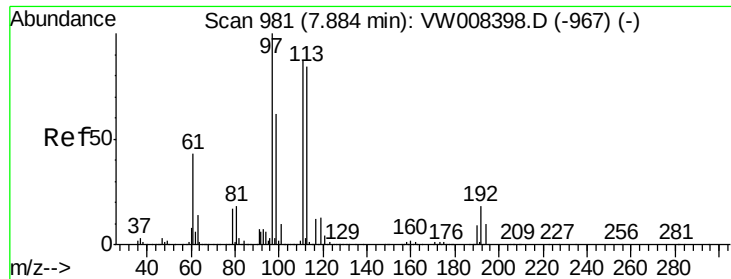
Tgt Ion: 65 Resp: 279261
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008539.D
 Acq: 06 Feb 2019 20:21

Tgt Ion: 114 Resp: 825418
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 43.6
 88 15.3 0.0 31.8

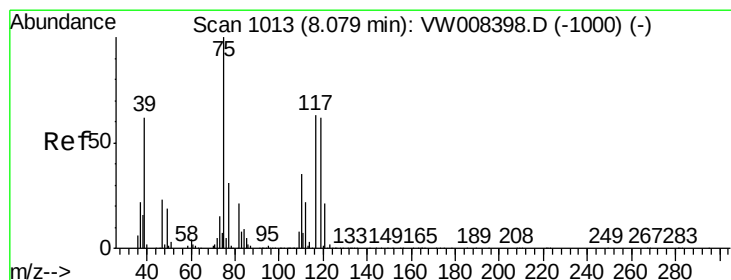
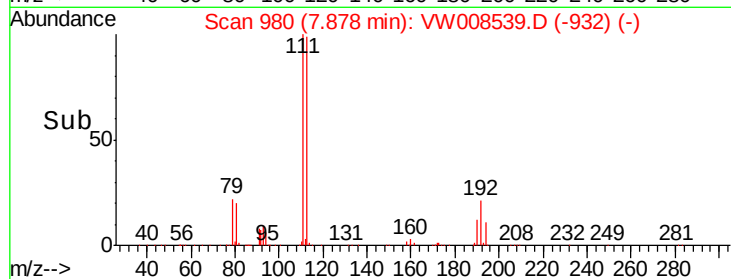
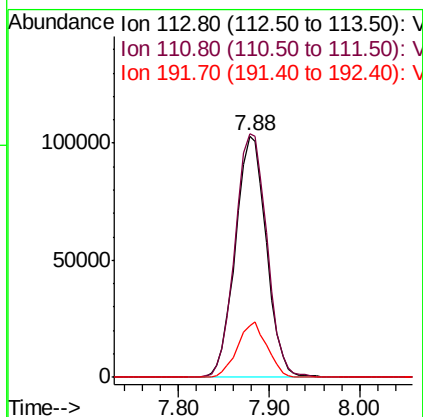
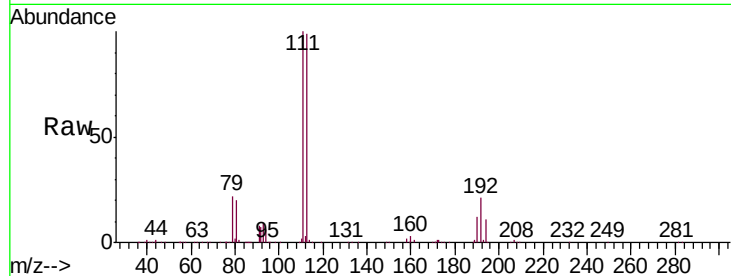




#35
 Dibromofluoromethane
 Concen: 50.553 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008539.D
 Acq: 06 Feb 2019 20:21

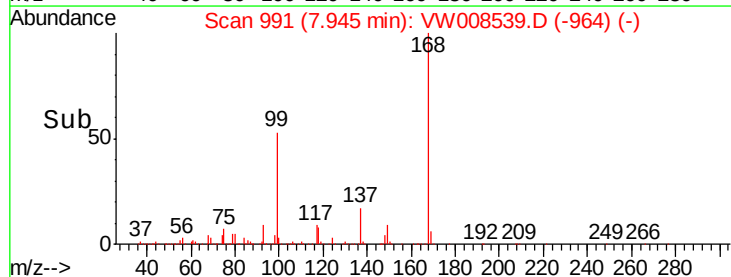
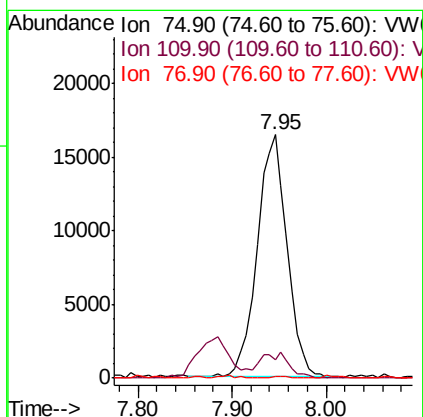
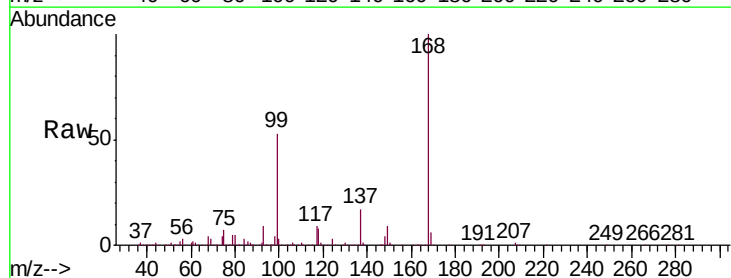
Instrument :
 MSVOA_W
 ClientSampled :
 M-5S

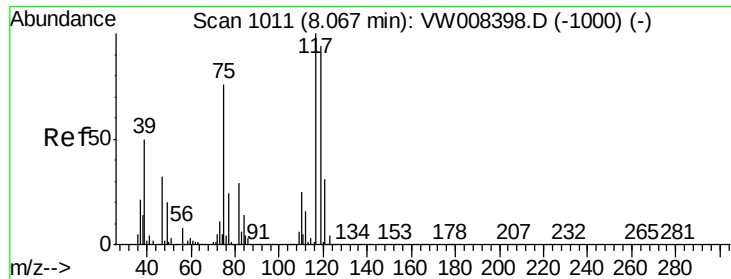
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.0	121.4
192	22.0	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 4.678 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008539.D
 Acq: 06 Feb 2019 20:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.3	52.0#
77	0.5	24.7	37.1#

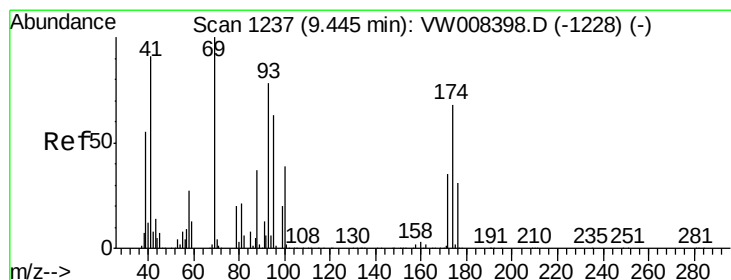
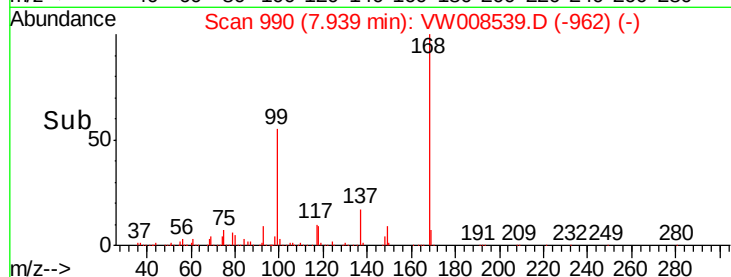
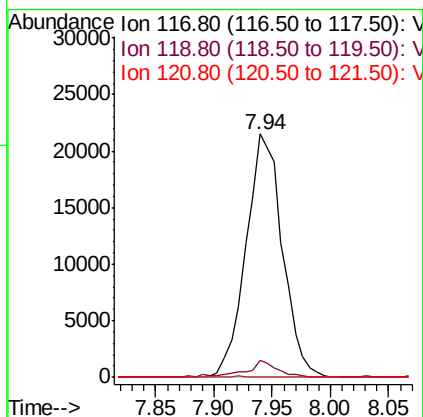
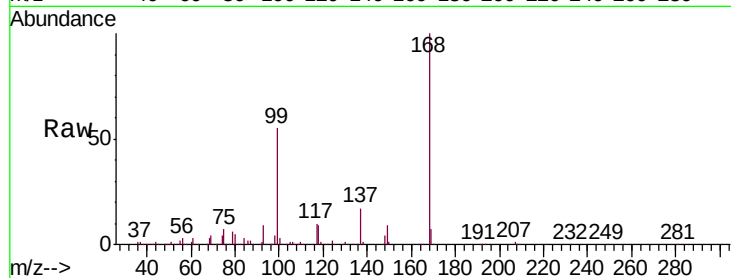




#38
Carbon Tetrachloride
Concen: 5.952 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW008539.D
Acq: 06 Feb 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
M-5S

Tgt Ion: 117 Resp: 46696
Ion Ratio Lower Upper
117 100
119 7.2 75.0 112.4#
121 0.0 24.9 37.3#



#49
1,4-Dioxane
Concen: 4.350 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008539.D
Acq: 06 Feb 2019 20:21

Tgt Ion: 88 Resp: 204
Ion Ratio Lower Upper
88 100
43 72.1 29.0 43.4#
58 0.0 56.4 84.6#

