

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008695.D
 Acq On : 15 Feb 2019 19:59
 Operator : SY/VA
 Sample : K1515-06
 Misc : 6.27G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 16 00:36:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	375789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	566563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	502744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	248995	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	211758	54.20	ug/l	0.00
Spiked Amount			Recovery	=	108.40%	
35) Dibromofluoromethane	7.88	113	179144	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
50) Toluene-d8	10.32	98	675335	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.62	95	233560	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	

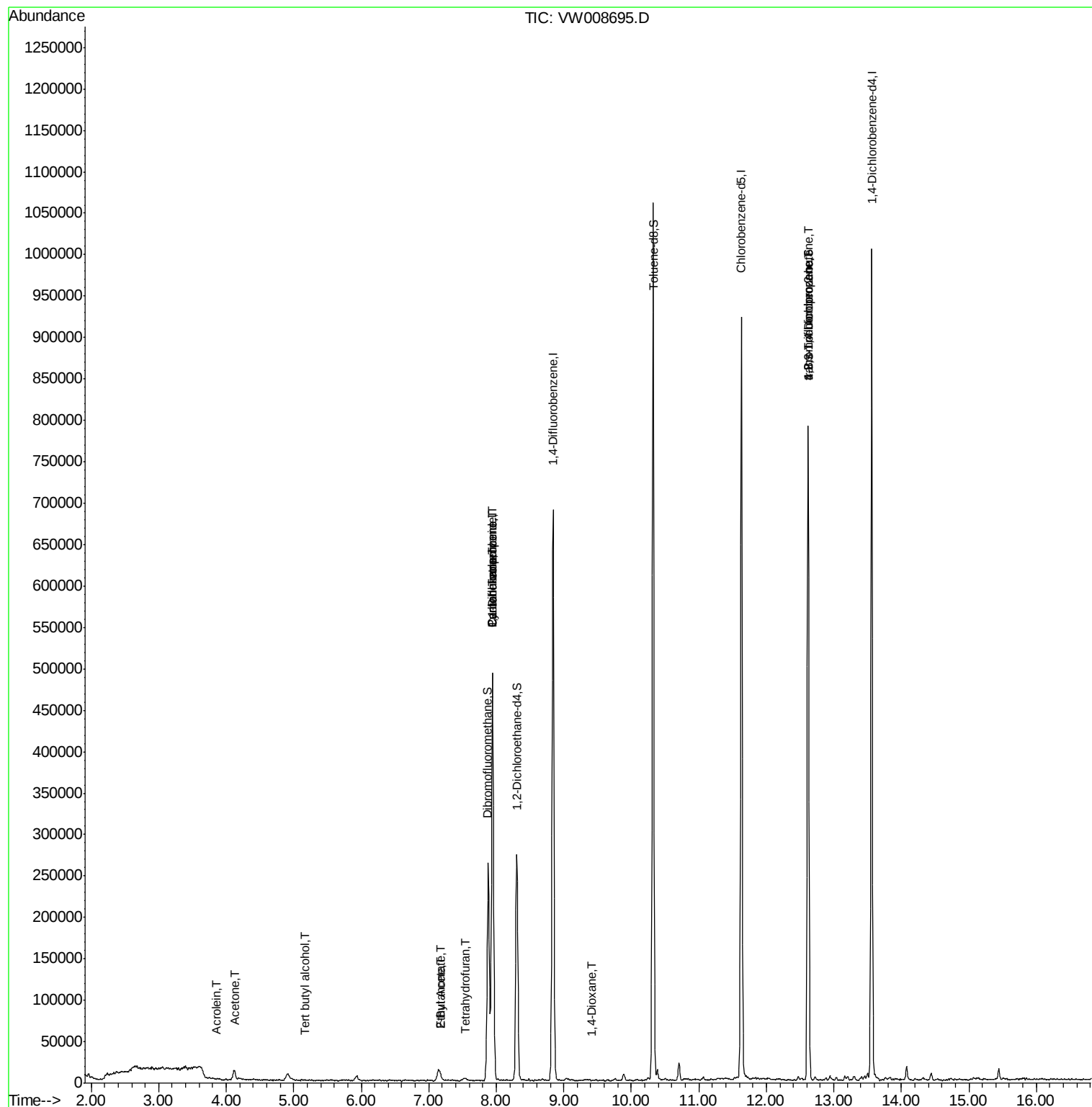
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	690	2.207	ug/l #	90
13) Acrolein	3.87	56	401	1.245	ug/l #	74
16) Acetone	4.12	43	20851	23.454	ug/l	91
20) Methylene Chloride	4.91	84	6670	Below Cal	#	80
25) 2-Butanone	7.18	43	6868	5.471	ug/l	92
29) Tetrahydrofuran	7.53	42	2884	3.486	ug/l #	61
31) Cyclohexane	7.95	56	8239	1.153	ug/l #	11
36) 1,1-Dichloropropene	7.94	75	27232	4.784	ug/l #	50
37) Ethyl Acetate	7.18	43	6868	2.501	ug/l #	70
38) Carbon Tetrachloride	7.95	117	35347	6.245	ug/l #	18
49) 1,4-Dioxane	9.42	88	51	1.508	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	123471	50.218	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	123471	107.661	ug/l #	6

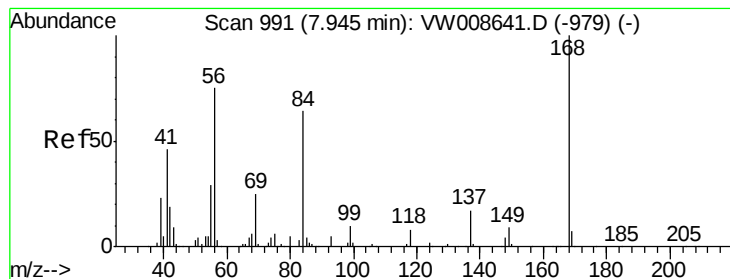
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008695.D

Acq: 15 Feb 2019 19:59

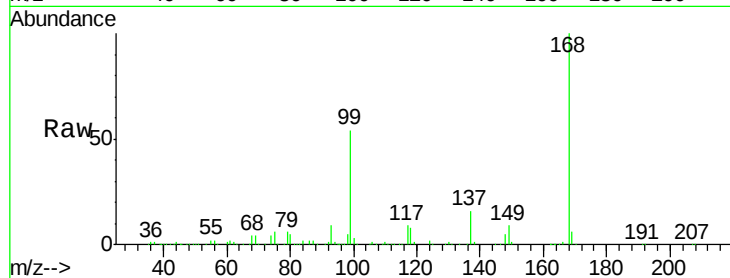
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 375789

Ion Ratio Lower Upper

168 100

99 54.1 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

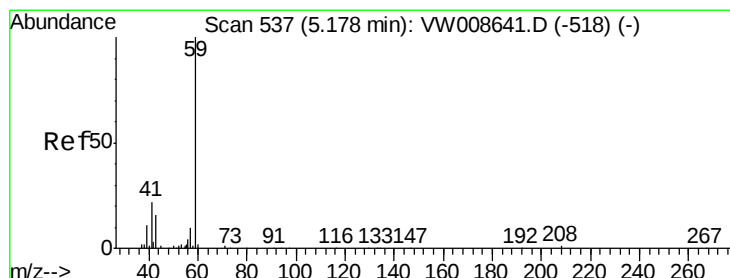
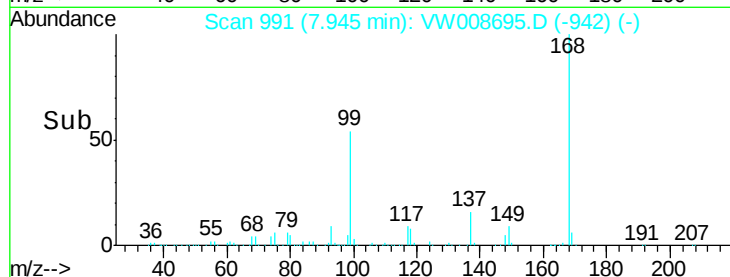
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.207 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.01 min

Lab File: VW008695.D

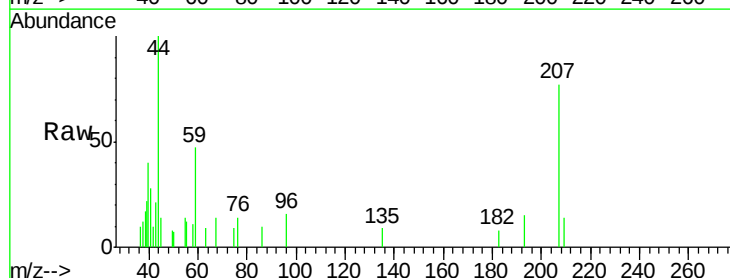
Acq: 15 Feb 2019 19:59

Tgt Ion: 59 Resp: 690

Ion Ratio Lower Upper

59 100

57 6.5 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

400

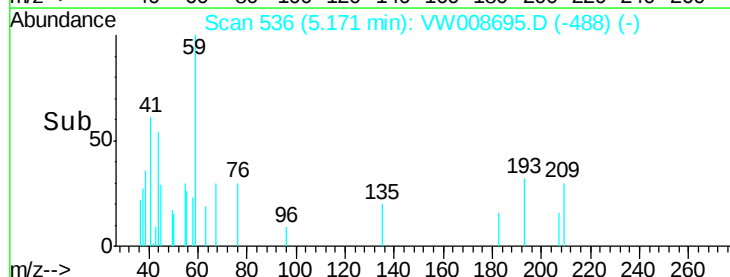
300

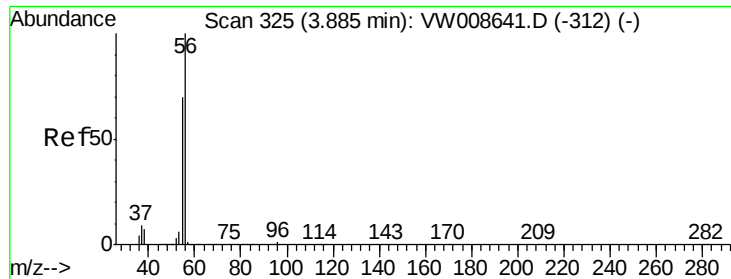
200

100

0

Time-->

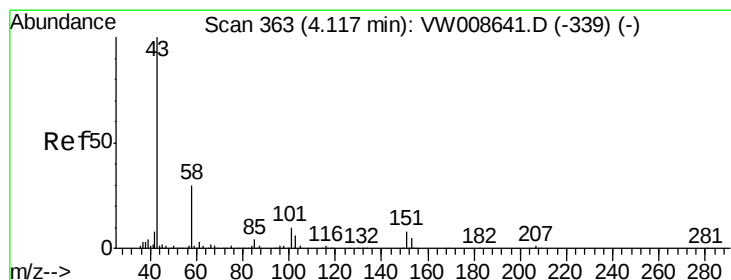
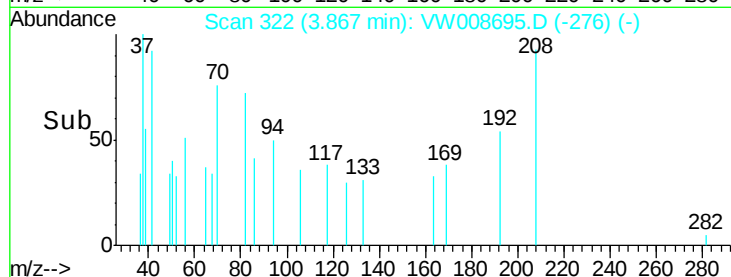
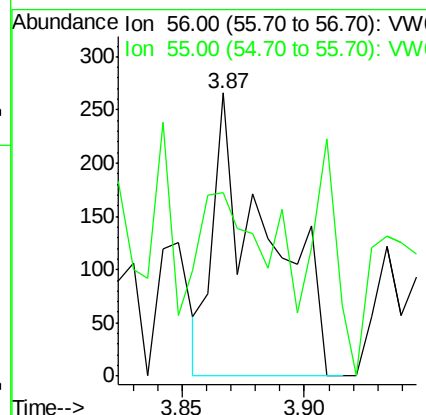
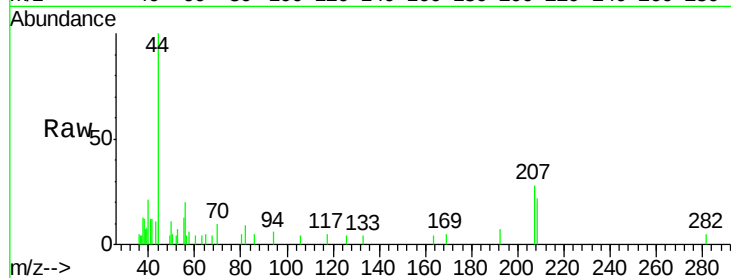




#13
Acrolein
Concen: 1.245 ug/l
RT: 3.87 min Scan# 322
Delta R.T. -0.02 min
Lab File: VW008695.D
Acq: 15 Feb 2019 19:59

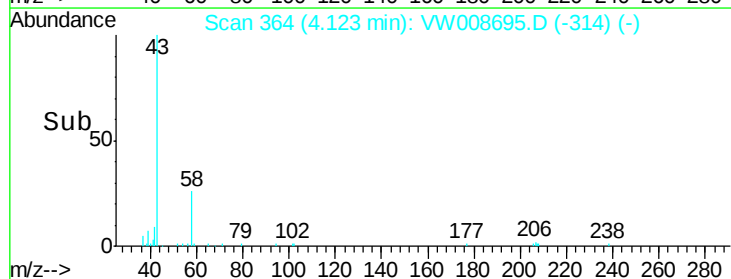
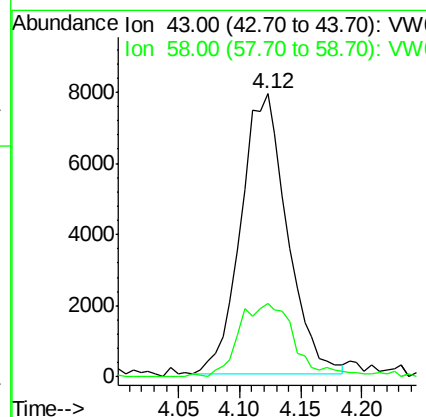
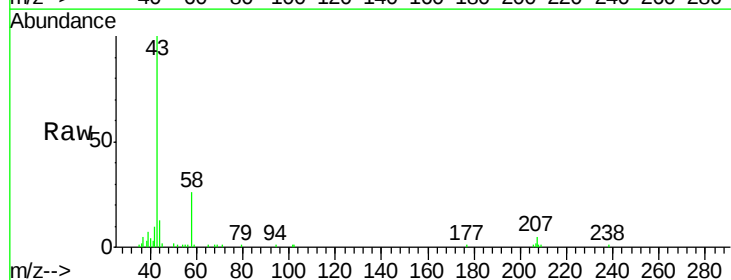
Instrument :
MSVOA_W
ClientSampleId :

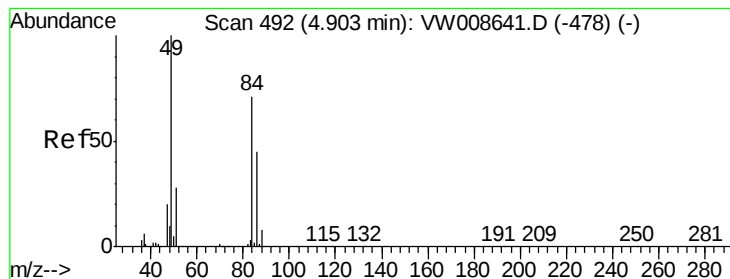
Tot Ion: 56 Resp: 401
Ion Ratio Lower Upper
56 100
55 49.9 57.4 86.2#



#16
Acetone
Concen: 23.454 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW008695.D
Acq: 15 Feb 2019 19:59

Tgt Ion: 43 Resp: 20851
Ion Ratio Lower Upper
43 100
58 25.2 24.1 36.1





#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

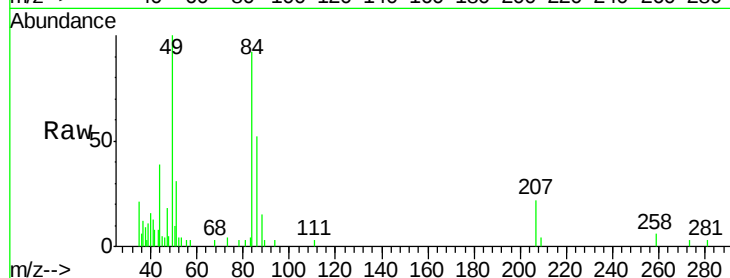
Delta R.T. 0.01 min

Lab File: VW008695.D

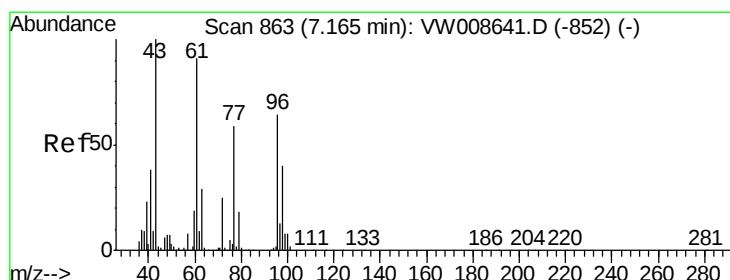
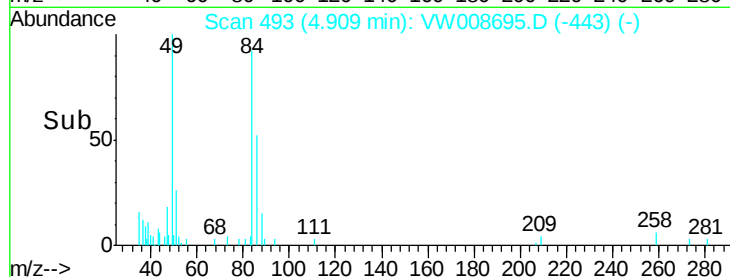
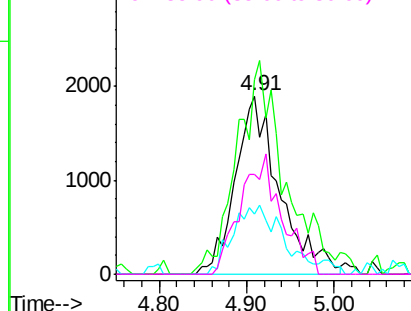
Acq: 15 Feb 2019 19:59

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	84	Resp:	6670
Ion	Ratio	Lower	Upper
84	100		
49	108.8	113.3	169.9#
51	33.5	32.1	48.1
86	56.2	50.9	76.3



Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 5.471 ug/l

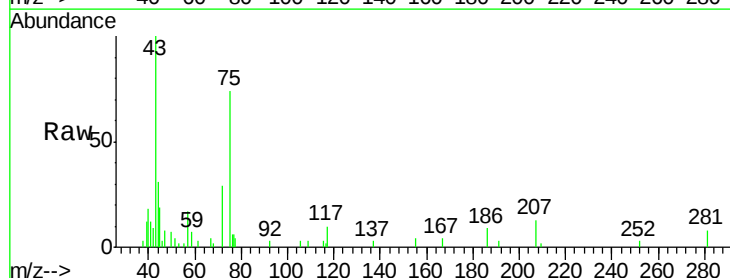
RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

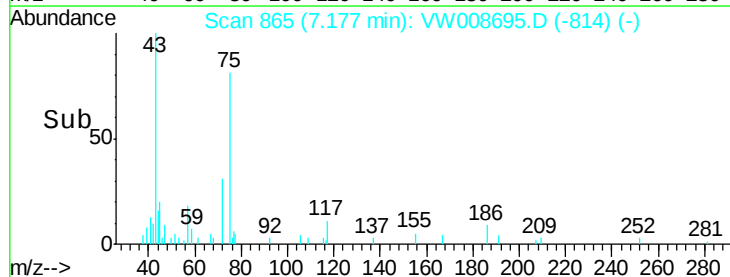
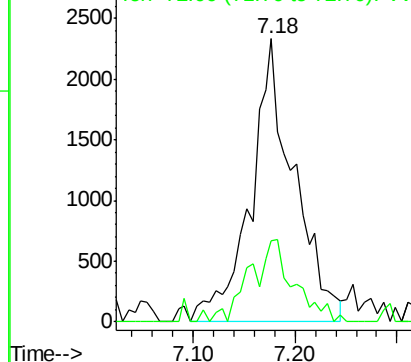
Lab File: VW008695.D

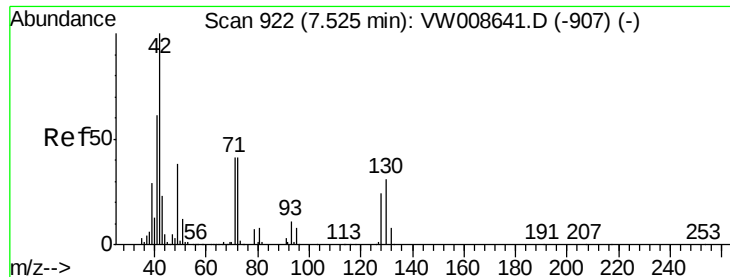
Acq: 15 Feb 2019 19:59

Tgt Ion:	43	Resp:	6868
Ion	Ratio	Lower	Upper
43	100		
72	28.8	19.7	29.5



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

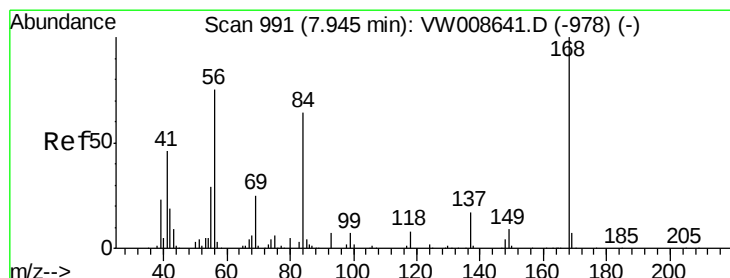
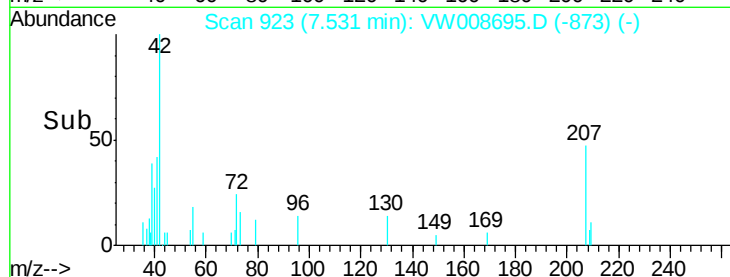
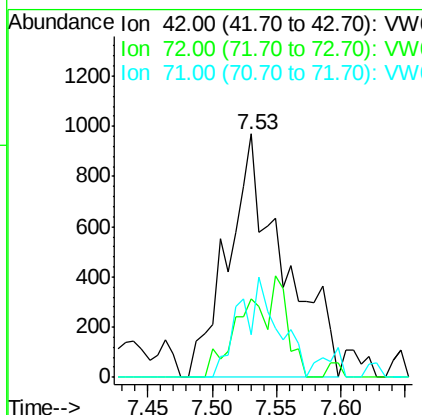
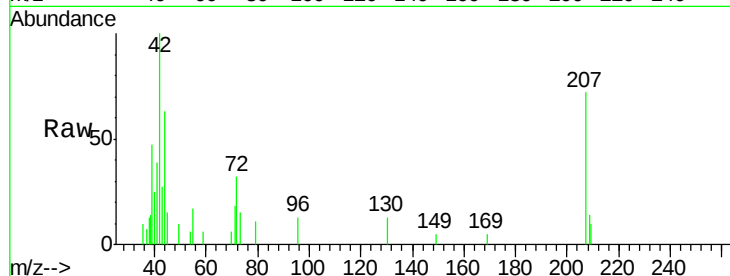




#29
Tetrahydrofuran
Concen: 3.486 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW008695.D
Acq: 15 Feb 2019 19:59

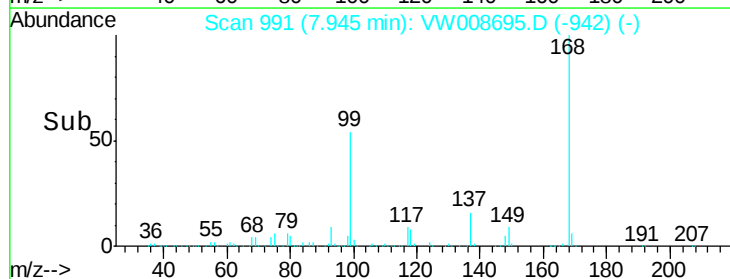
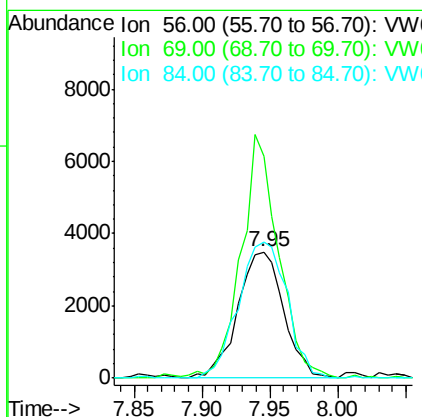
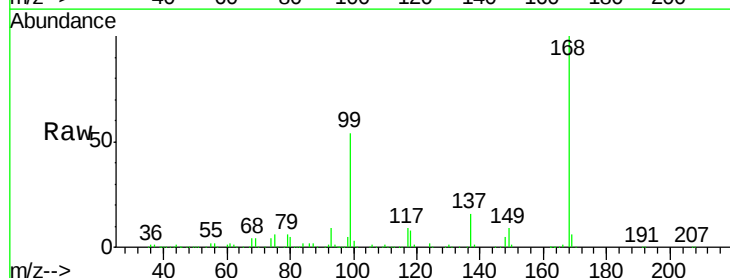
Instrument :
MSVOA_W
ClientSampled :

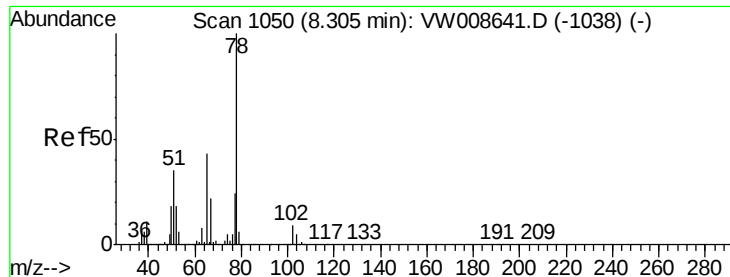
Tot Ion: 42 Resp: 2884
Ion Ratio Lower Upper
42 100
72 19.7 32.2 48.2#
71 11.9 31.0 46.6#



#31
Cyclohexane
Concen: 1.153 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.00 min
Lab File: VW008695.D
Acq: 15 Feb 2019 19:59

Tgt Ion: 56 Resp: 8239
Ion Ratio Lower Upper
56 100
69 175.5 26.4 39.6#
84 107.3 67.4 101.2#





#33

1,2-Dichloroethane-d4

Concen: 54.202 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008695.D

Acq: 15 Feb 2019 19:59

Instrument :

MSVOA_W

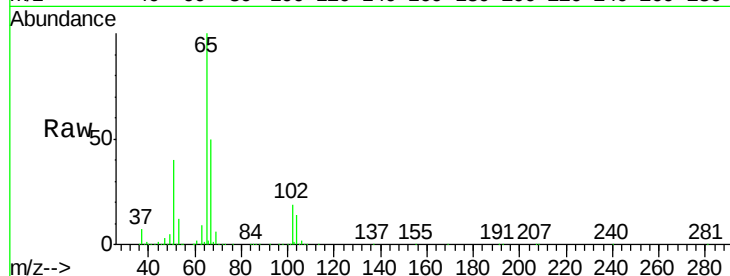
ClientSampled :

Tot Ion: 65 Resp: 211758

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

100000

80000

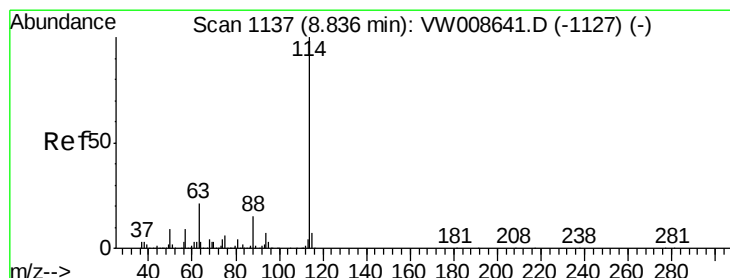
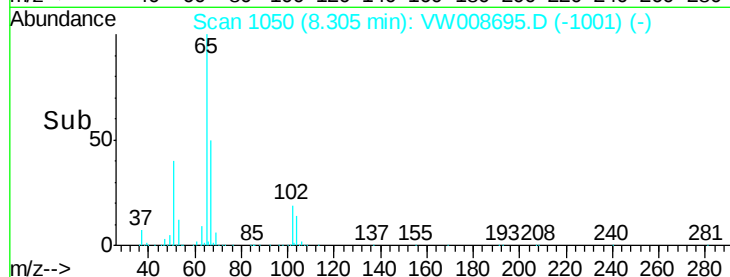
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VW008695.D

Acq: 15 Feb 2019 19:59

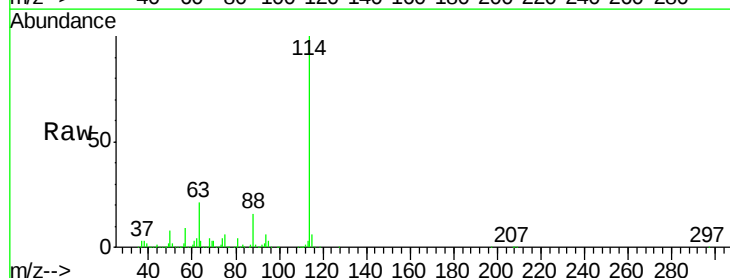
Tgt Ion: 114 Resp: 566563

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.2

88 15.8 0.0 29.6



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

400000

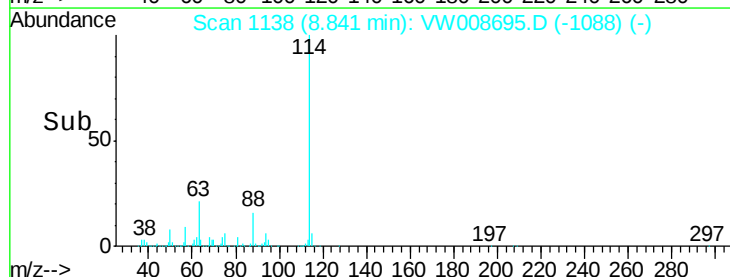
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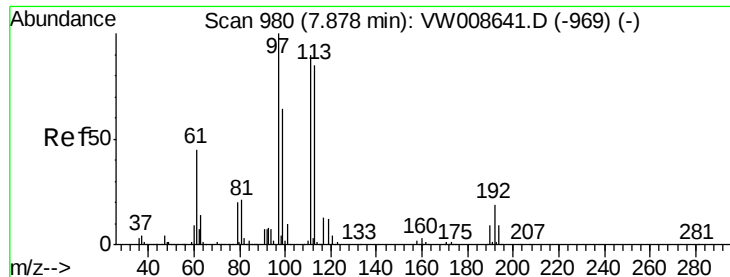
200000

100000

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Time-->

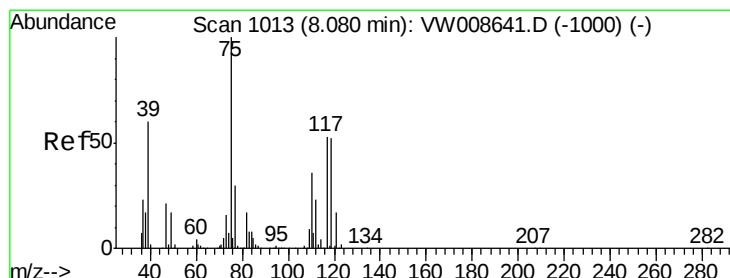
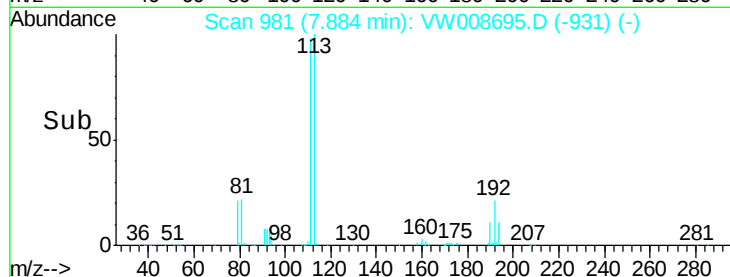
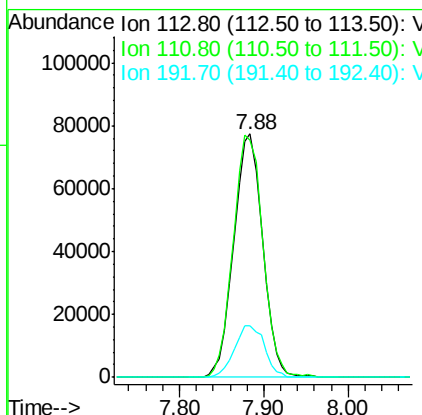
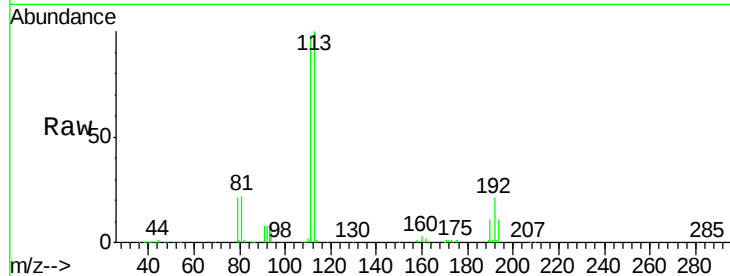




#35
 Dibromofluoromethane
 Concen: 50.922 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW008695.D
 Acq: 15 Feb 2019 19:59

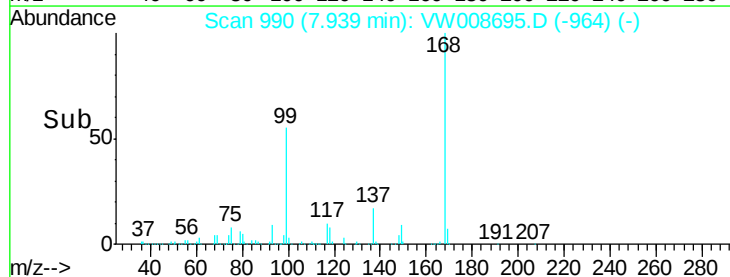
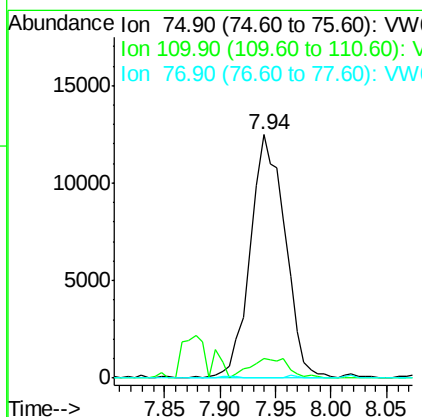
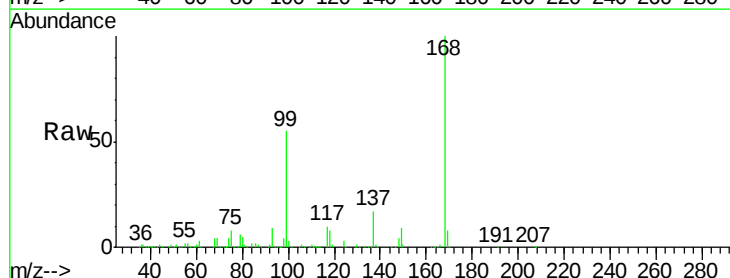
Instrument :
 MSVOA_W
 ClientSampleId :

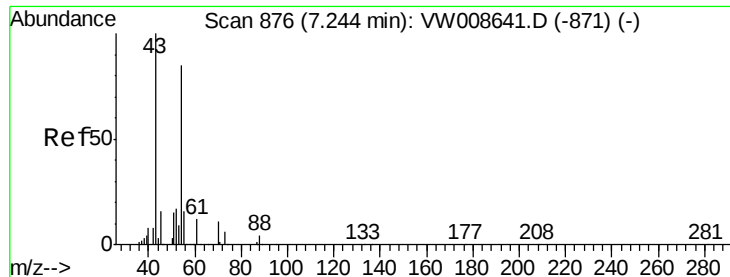
Tot Ion:113 Resp: 179144
 Ion Ratio Lower Upper
 113 100
 111 102.6 84.0 126.0
 192 22.0 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 4.784 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008695.D
 Acq: 15 Feb 2019 19:59

Tgt Ion: 75 Resp: 27232
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.8 53.3#
 77 0.0 24.7 37.1#

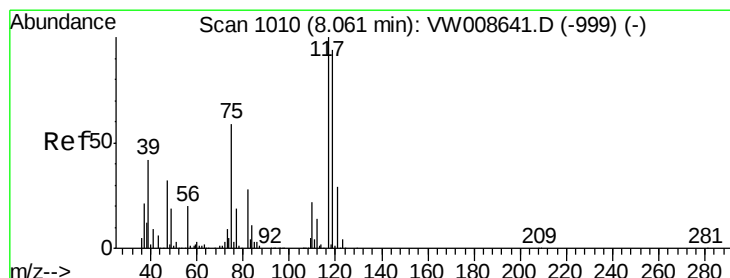
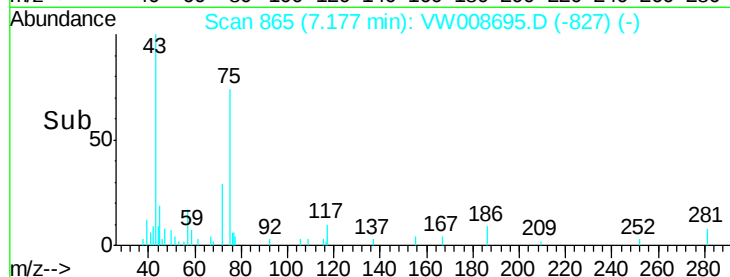
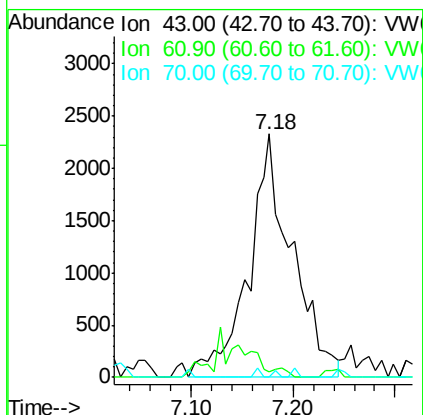
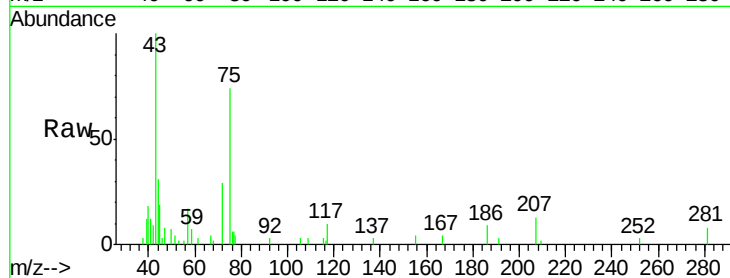




#37
Ethyl Acetate
Concen: 2.501 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.07 min
Lab File: VW008695.D
Acq: 15 Feb 2019 19:59

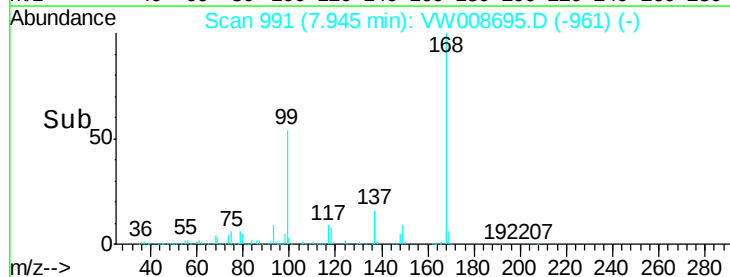
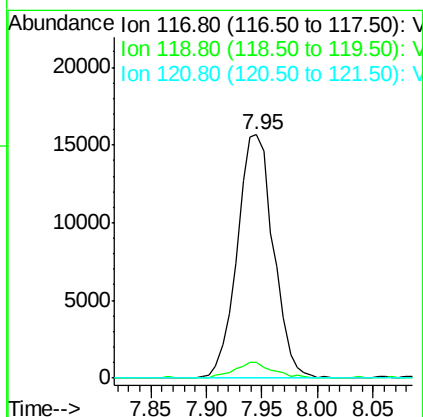
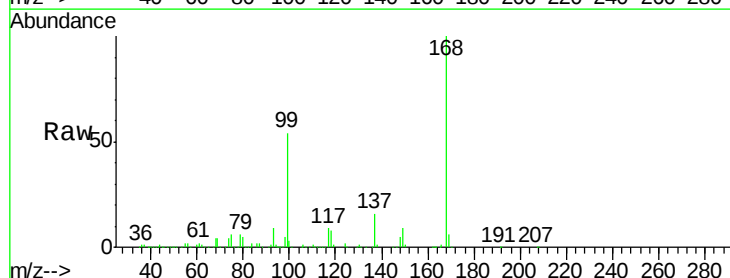
Instrument :
MSVOA_W
ClientSampleId :

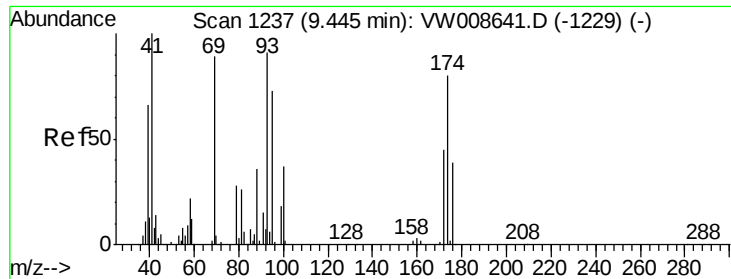
Tot Ion: 43 Resp: 6868
Ion Ratio Lower Upper
43 100
61 0.0 10.5 15.7#
70 0.4 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 6.245 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008695.D
Acq: 15 Feb 2019 19:59

Tgt Ion: 117 Resp: 35347
Ion Ratio Lower Upper
117 100
119 6.4 75.1 112.7#
121 0.0 23.5 35.3#

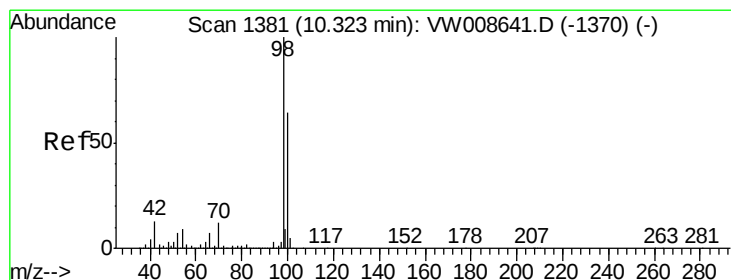
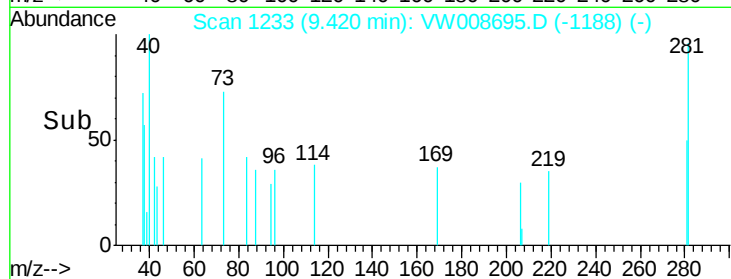
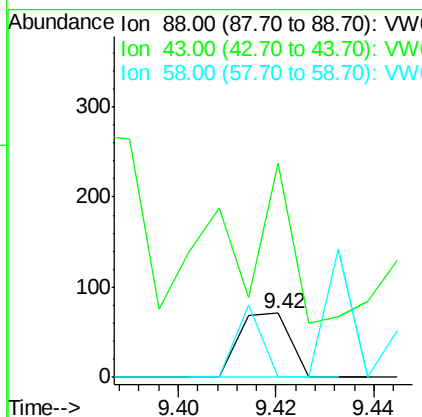
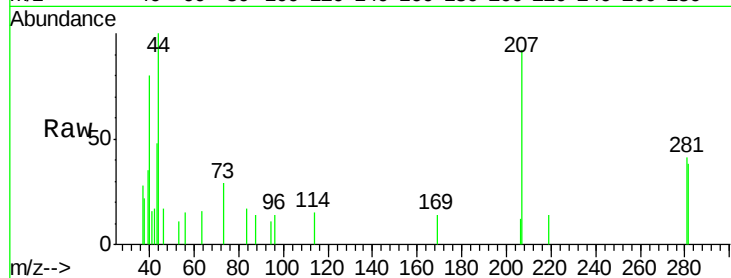




#49
 1,4-Dioxane
 Concen: 1.508 ug/l
 RT: 9.42 min Scan# 1233
 Delta R.T. -0.02 min
 Lab File: VW008695.D
 Acq: 15 Feb 2019 19:59

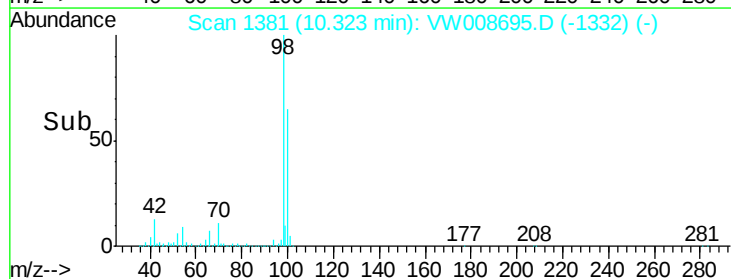
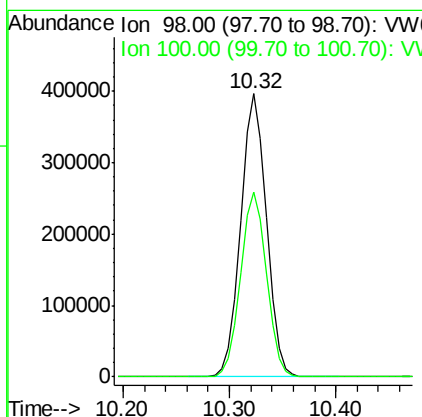
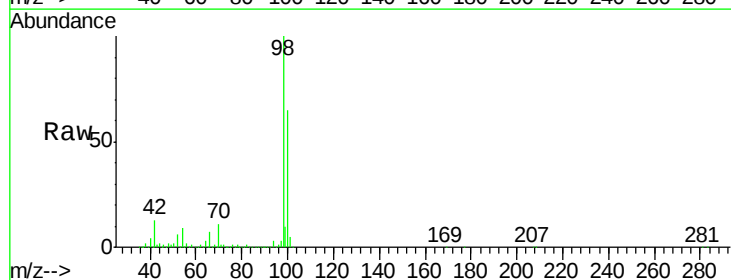
Instrument :
 MSVOA_W
 ClientSampleId :

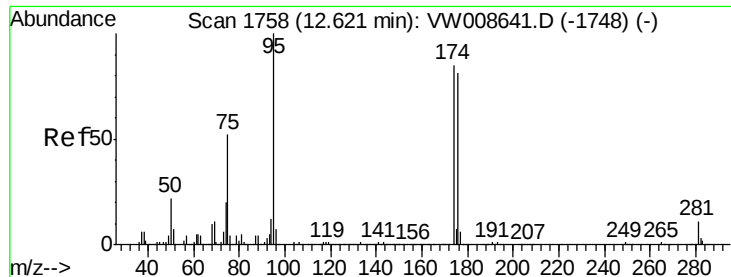
Tot Ion: 88 Resp: 51
 Ion Ratio Lower Upper
 88 100
 43 307.8 31.0 46.6#
 58 56.9 57.0 85.6#



#50
 Toluene-d8
 Concen: 49.798 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW008695.D
 Acq: 15 Feb 2019 19:59

Tgt Ion: 98 Resp: 675335
 Ion Ratio Lower Upper
 98 100
 100 65.8 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 45.723 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008695.D

Acq: 15 Feb 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

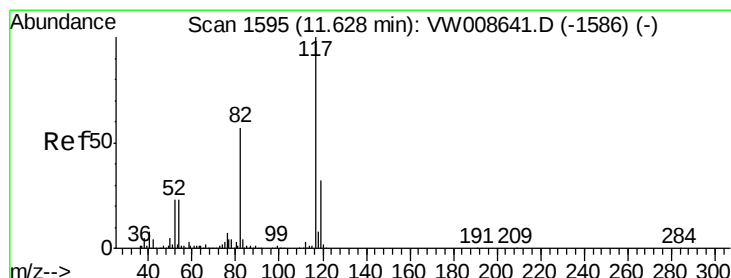
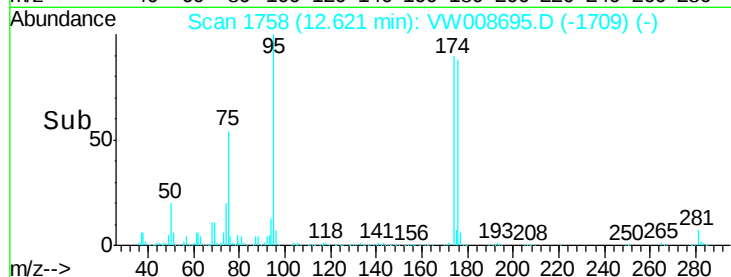
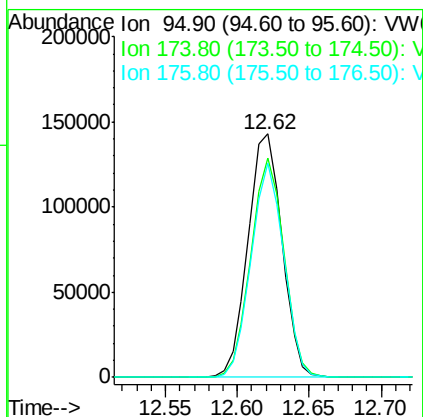
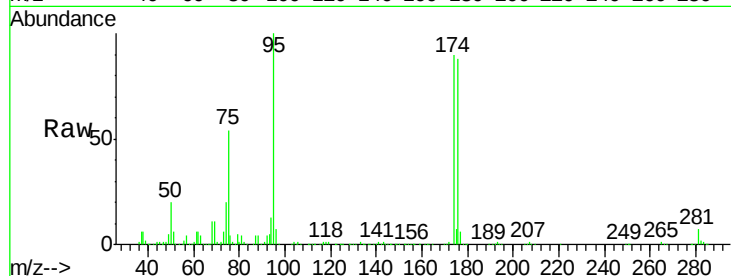
Tot Ion: 95 Resp: 233560

Ion Ratio Lower Upper

95 100

174 87.8 0.0 163.2

176 84.4 0.0 158.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW008695.D

Acq: 15 Feb 2019 19:59

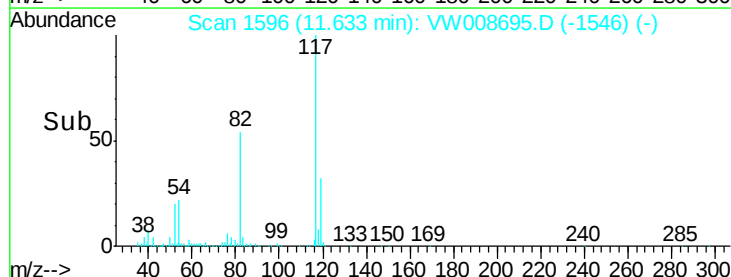
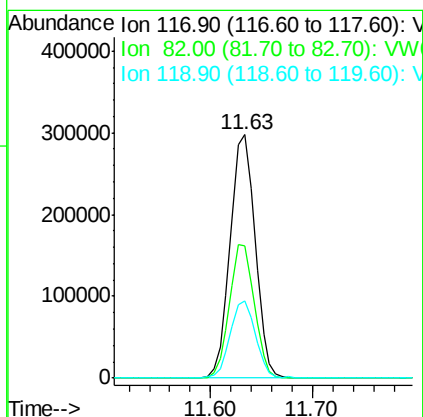
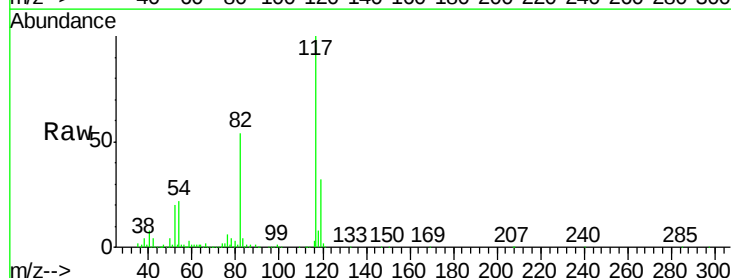
Tgt Ion: 117 Resp: 502744

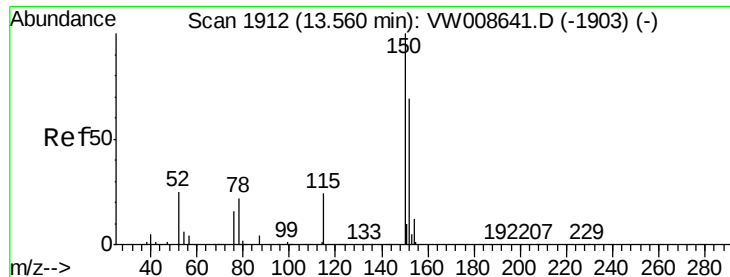
Ion Ratio Lower Upper

117 100

82 54.4 45.6 68.4

119 31.7 25.7 38.5



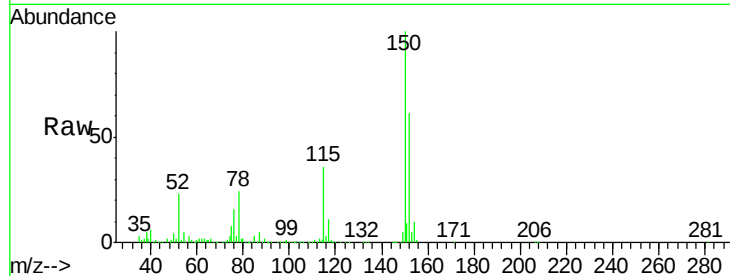


#72

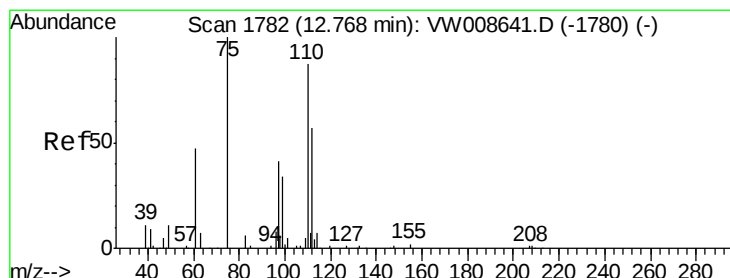
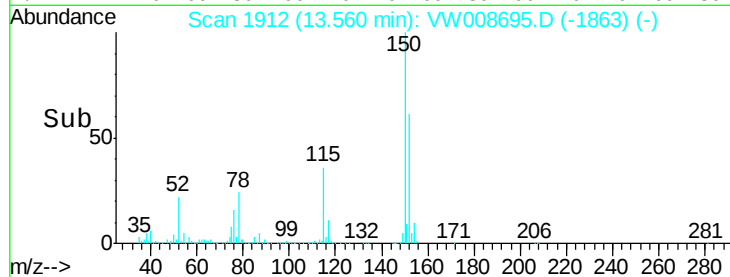
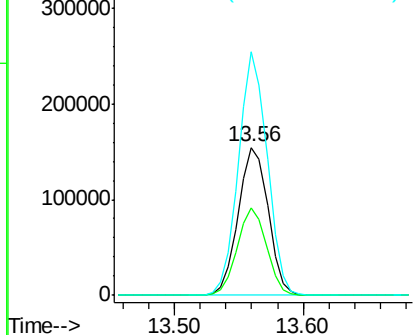
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008695.D
Acq: 15 Feb 2019 19:59

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.9	29.3	87.8
150	157.5	0.0	352.8



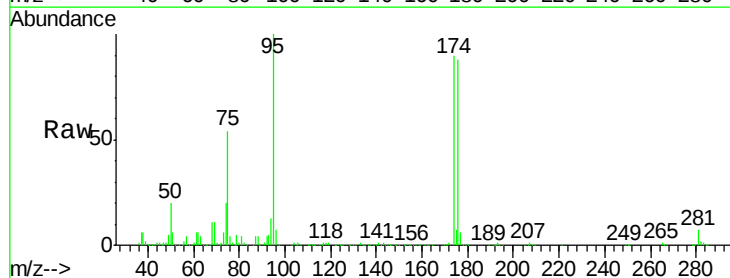
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



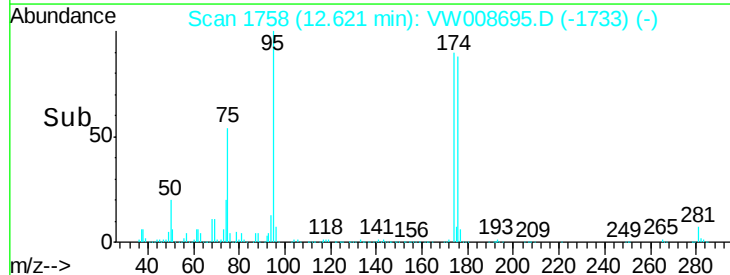
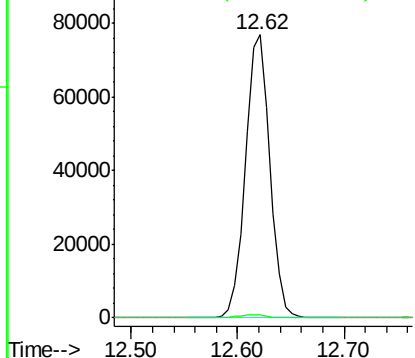
#76

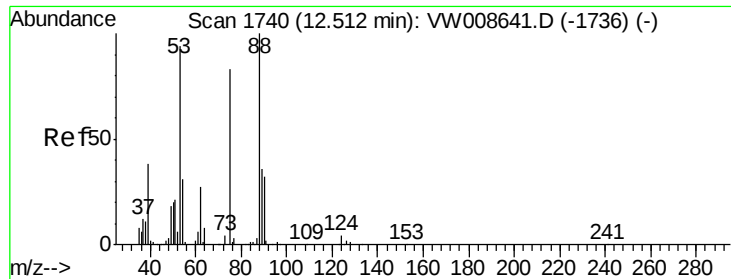
1,2,3-Trichloropropane
Concen: 50.218 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW008695.D
Acq: 15 Feb 2019 19:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 107.661 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008695.D

Acq: 15 Feb 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

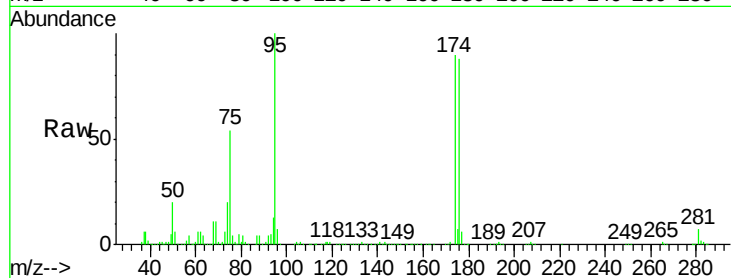
Tot Ion: 75 Resp: 123471

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.0#

89 0.0 37.0 55.4#



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

