

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008696.D
 Acq On : 15 Feb 2019 20:26
 Operator : SY/VA
 Sample : K1515-07
 Misc : 6.28G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 16 00:36:53 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	373940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	571674	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	507331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	256839	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	219620	56.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.98%	
35) Dibromofluoromethane	7.88	113	182477	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	10.32	98	679619	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	12.62	95	240891	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	

Target Compounds

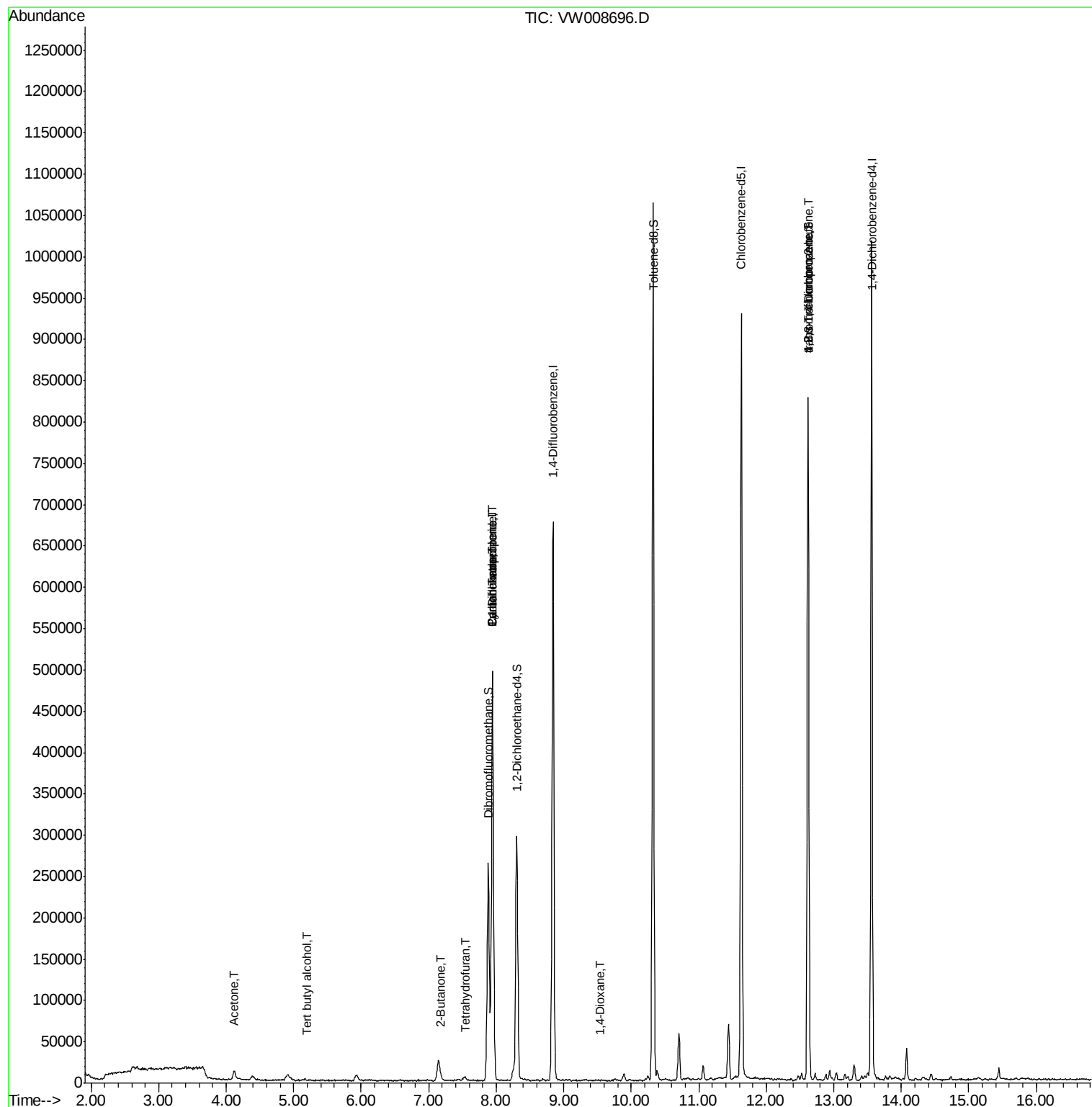
					Qvalue	
11) Tert butyl alcohol	5.20	59	340	1.093	ug/l #	29
16) Acetone	4.12	43	19404	21.934	ug/l	99
20) Methylene Chloride	4.91	84	6358	Below Cal	#	63
25) 2-Butanone	7.18	43	2886	2.310	ug/l	100
29) Tetrahydrofuran	7.54	42	3132	3.804	ug/l #	91
31) Cyclohexane	7.95	56	8420	1.184	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	27066	4.712	ug/l #	51
38) Carbon Tetrachloride	7.95	117	35205	6.164	ug/l #	17
49) 1,4-Dioxane	9.54	88	49	1.435	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	128909	50.828	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	128909	108.939	ug/l #	7

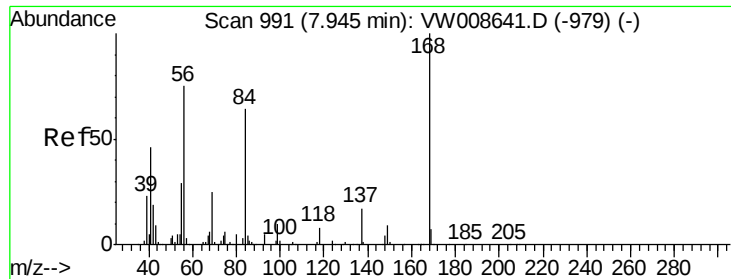
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021519\
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Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008696.D

Acq: 15 Feb 2019 20:26

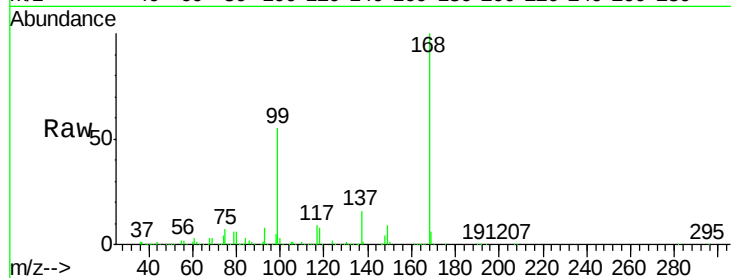
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 373940

Ion Ratio Lower Upper

168 100

99 54.7 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

200000

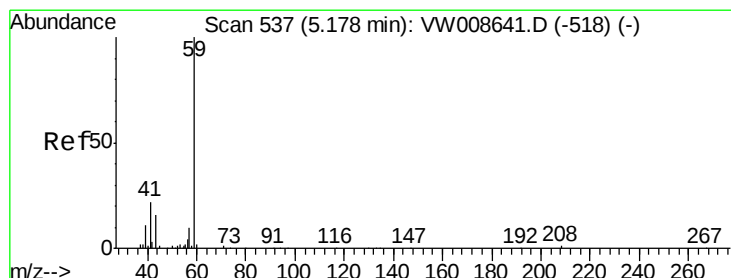
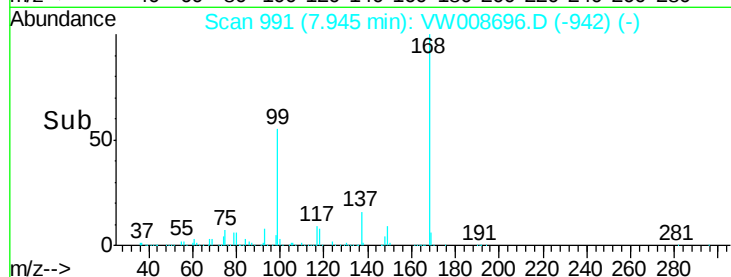
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.093 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.02 min

Lab File: VW008696.D

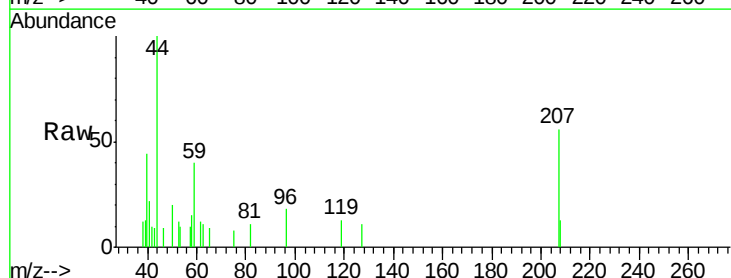
Acq: 15 Feb 2019 20:26

Tgt Ion: 59 Resp: 340

Ion Ratio Lower Upper

59 100

57 37.1 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

600

500

400

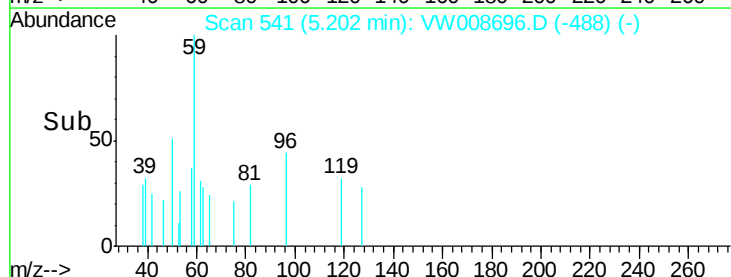
300

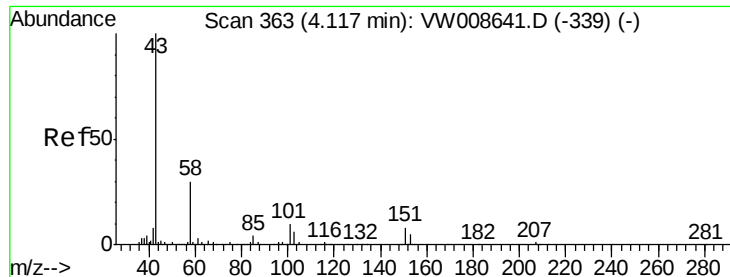
200

100

0

Time-->

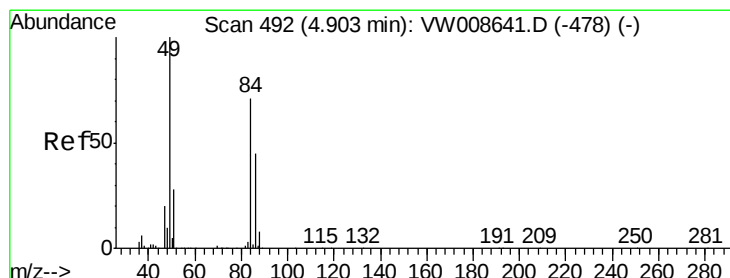
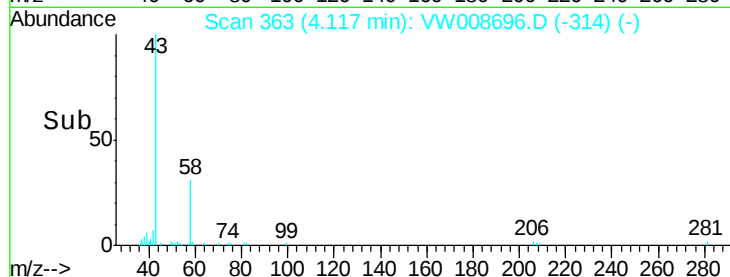
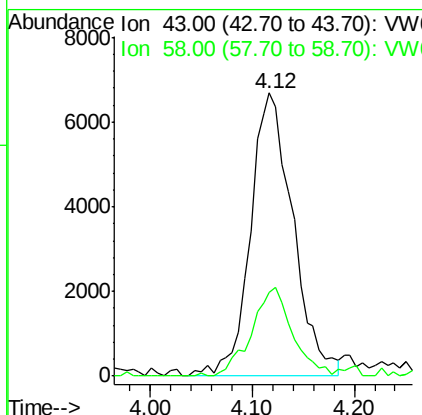
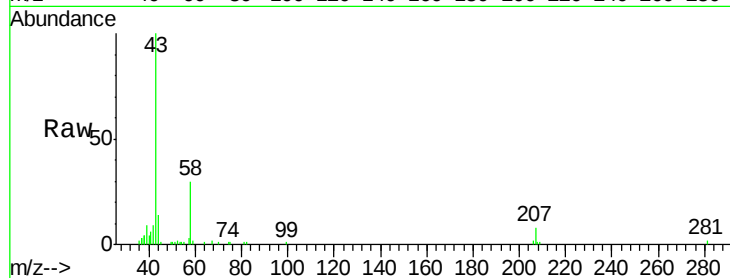




#16
Acetone
Concen: 21.934 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW008696.D
Acq: 15 Feb 2019 20:26

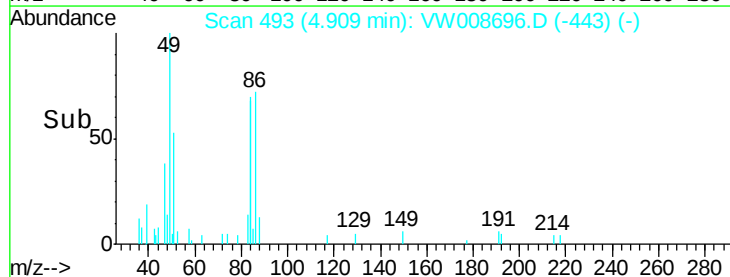
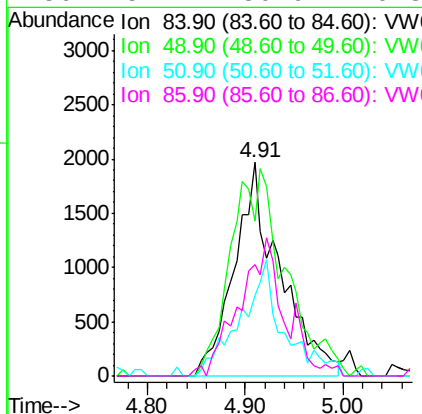
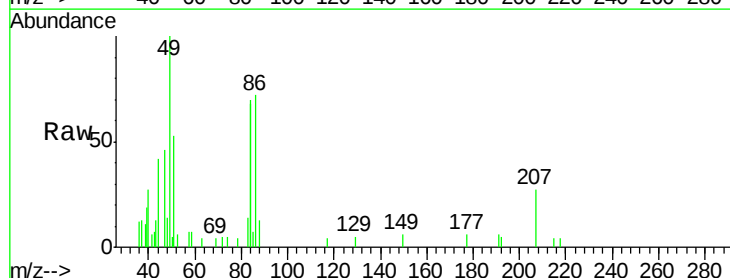
Instrument :
MSVOA_W
ClientSampleId :

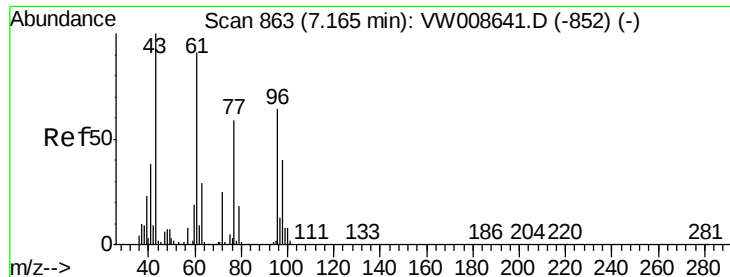
Tot Ion: 43 Resp: 19404
Ion Ratio Lower Upper
43 100
58 29.6 24.1 36.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008696.D
Acq: 15 Feb 2019 20:26

Tgt Ion: 84 Resp: 6358
Ion Ratio Lower Upper
84 100
49 72.4 113.3 169.9#
51 38.0 32.1 48.1
86 52.4 50.9 76.3





#25

2-Butanone

Concen: 2.310 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008696.D

Acq: 15 Feb 2019 20:26

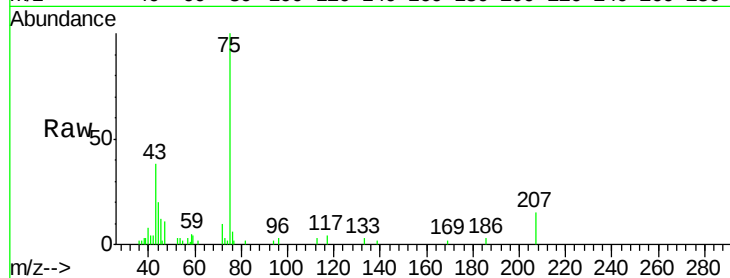
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 2886

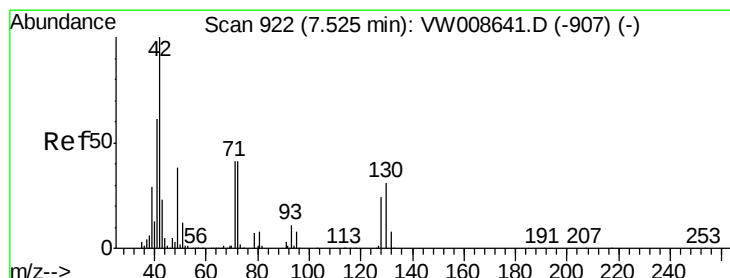
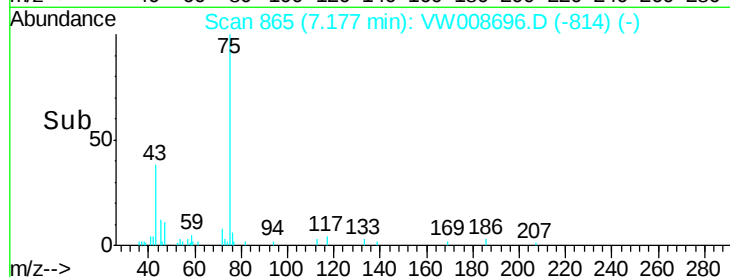
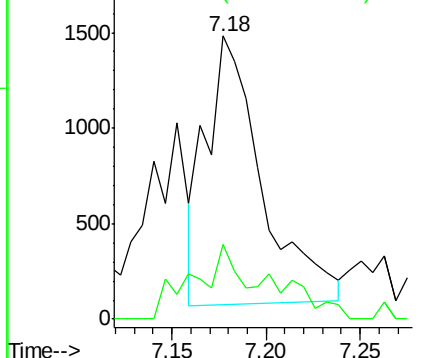
Ion Ratio Lower Upper

43 100

72 24.8 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: 3.804 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008696.D

Acq: 15 Feb 2019 20:26

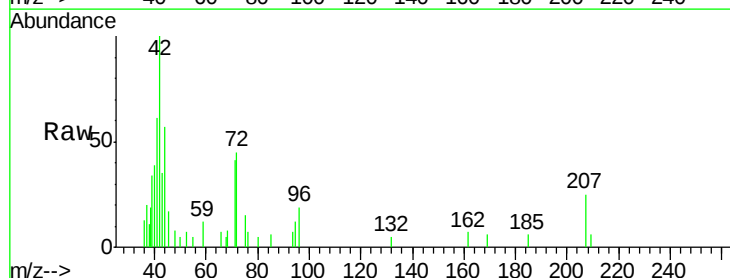
Tgt Ion: 42 Resp: 3132

Ion Ratio Lower Upper

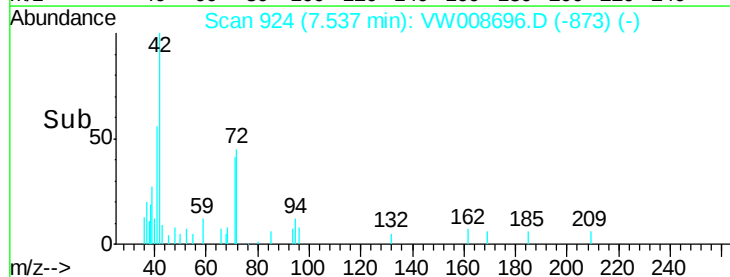
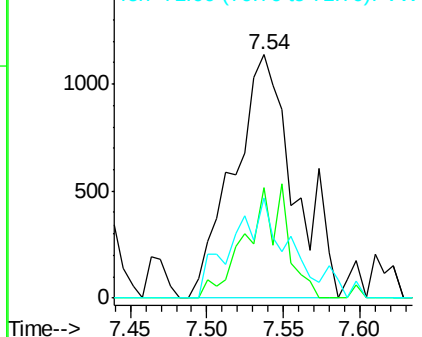
42 100

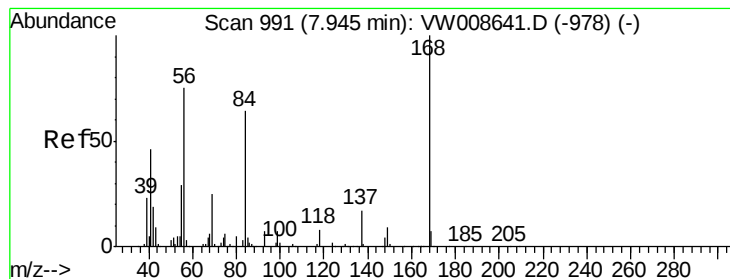
72 31.2 32.2 48.2#

71 36.7 31.0 46.6



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: 1.184 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008696.D

Acq: 15 Feb 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

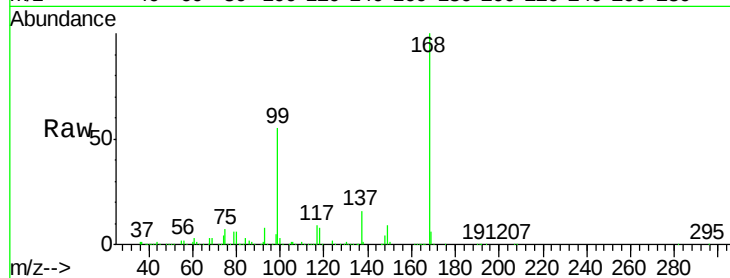
Tot Ion: 56 Resp: 8420

Ion Ratio Lower Upper

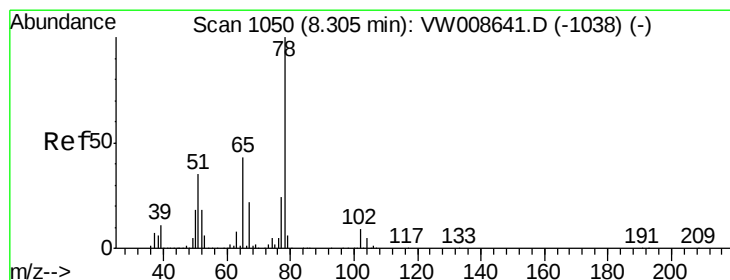
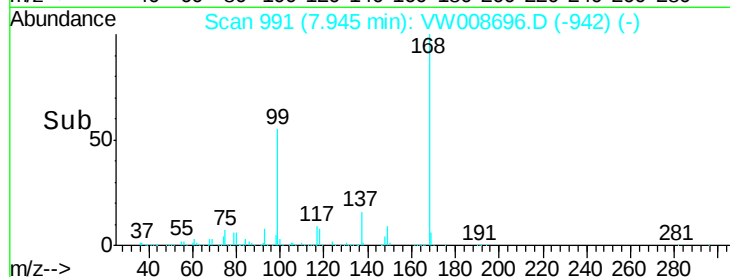
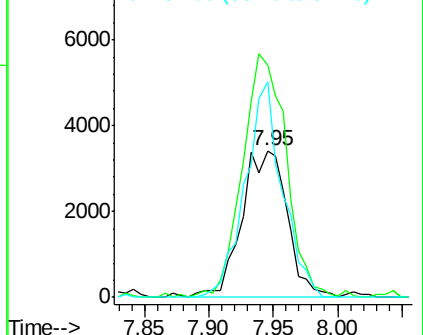
56 100

69 158.4 26.4 39.6#

84 147.0 67.4 101.2#



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: 56.492 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008696.D

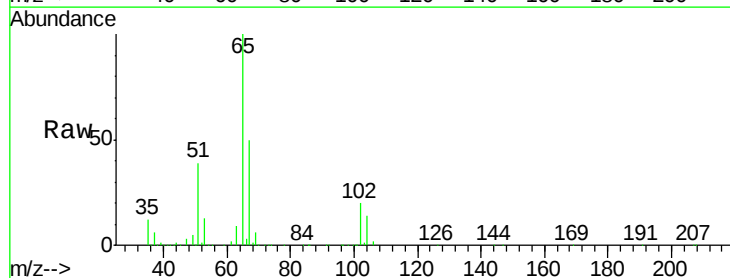
Acq: 15 Feb 2019 20:26

Tgt Ion: 65 Resp: 219620

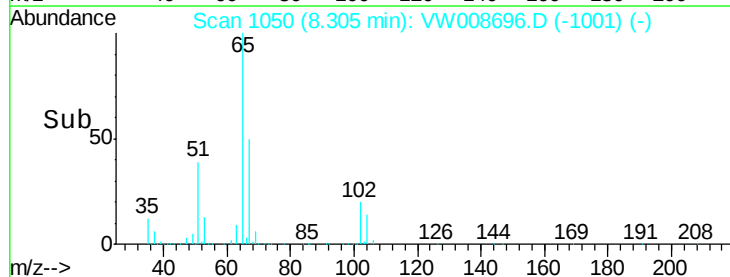
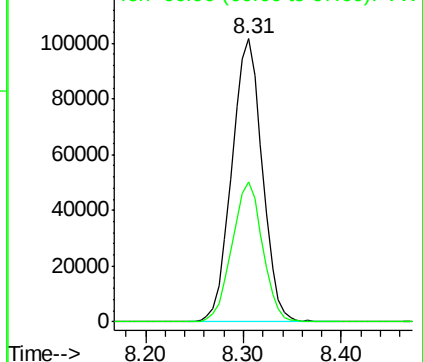
Ion Ratio Lower Upper

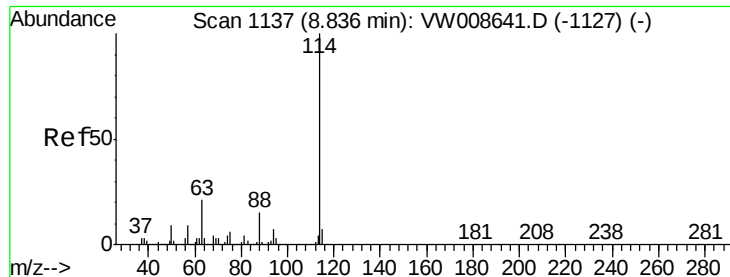
65 100

67 49.7 0.0 102.0



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

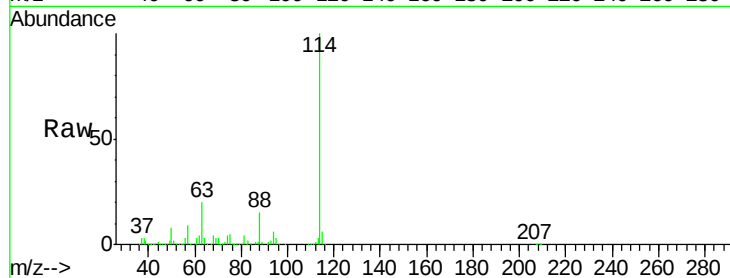




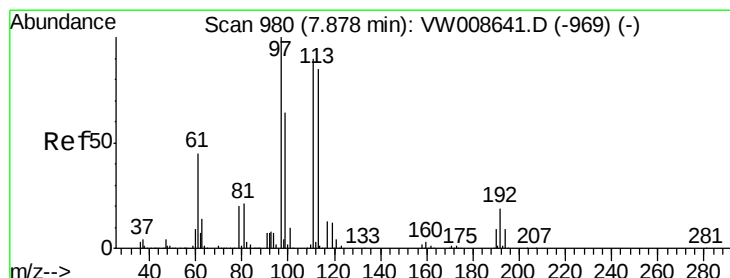
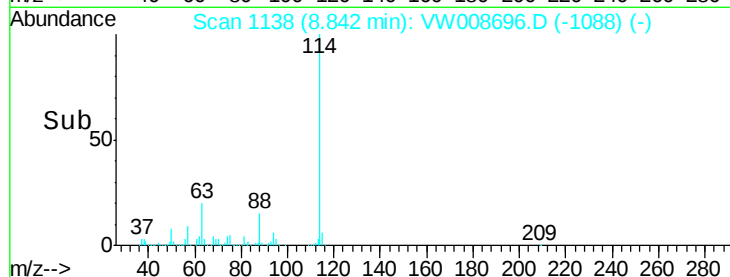
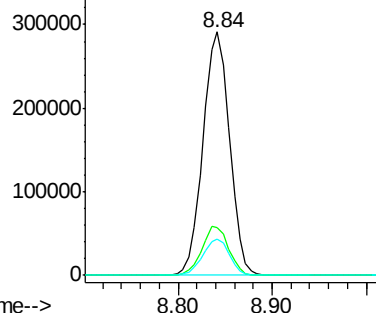
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008696.D
 Acq: 15 Feb 2019 20:26

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.2
88	15.0	0.0	29.6

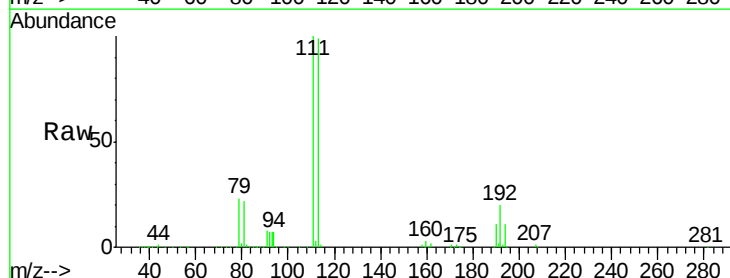


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VV
 Ion 87.90 (87.60 to 88.60): VV

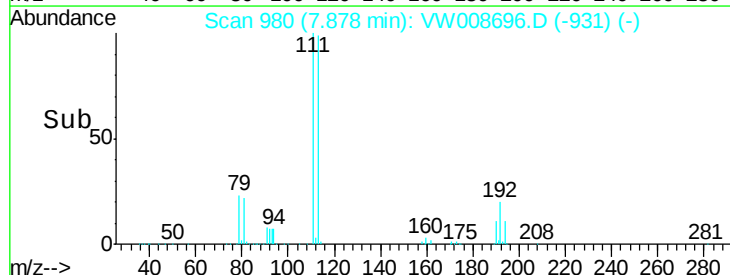
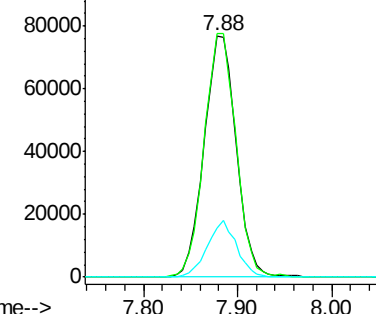


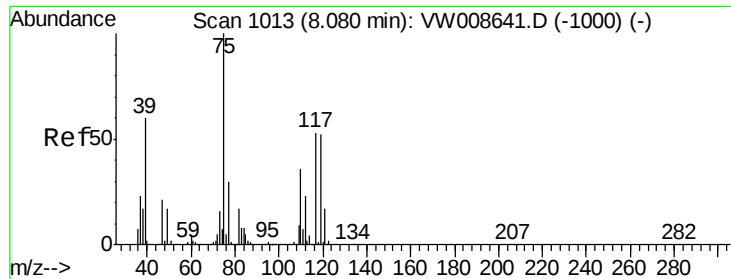
#35
 Dibromofluoromethane
 Concen: 51.406 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW008696.D
 Acq: 15 Feb 2019 20:26

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.0	84.0	126.0
192	21.4	17.4	26.2



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

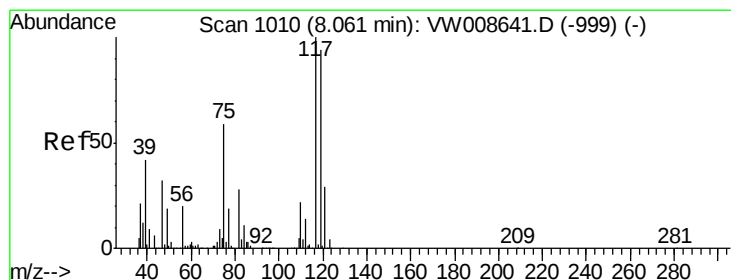
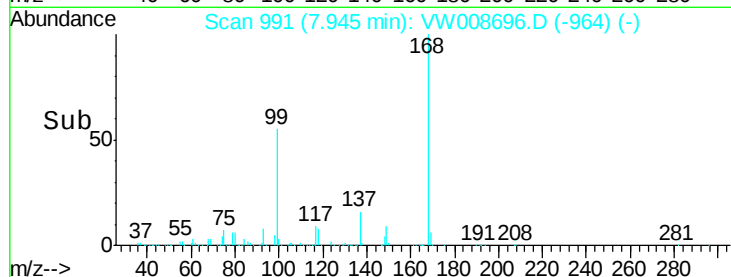
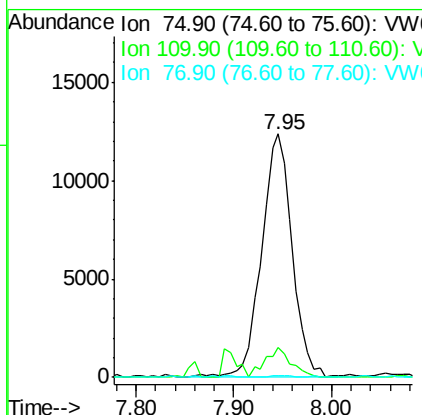
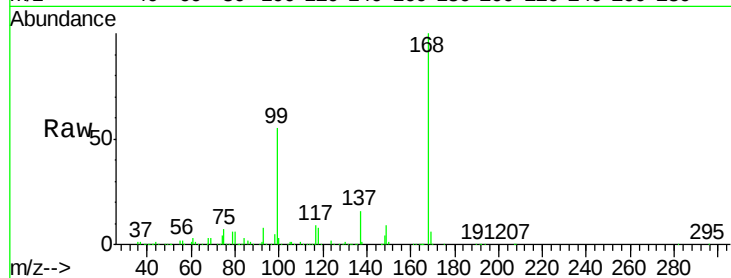




#36
 1,1-Dichloropropene
 Concen: 4.712 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008696.D
 Acq: 15 Feb 2019 20:26

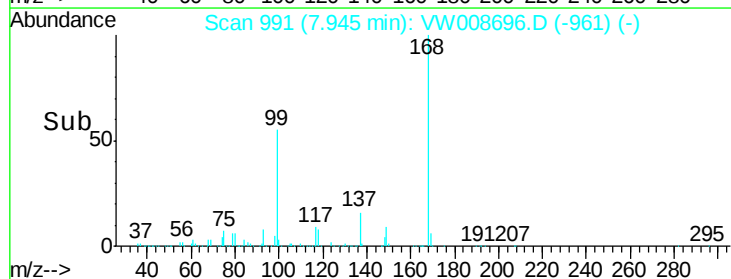
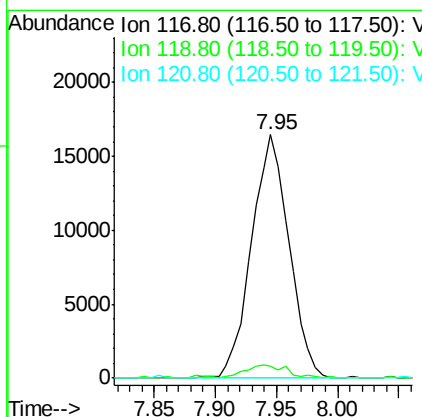
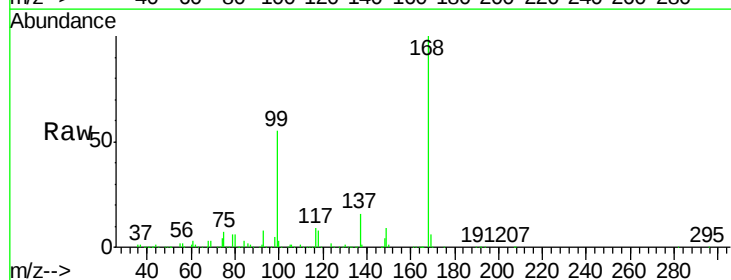
Instrument :
 MSVOA_W
 ClientSampleId :

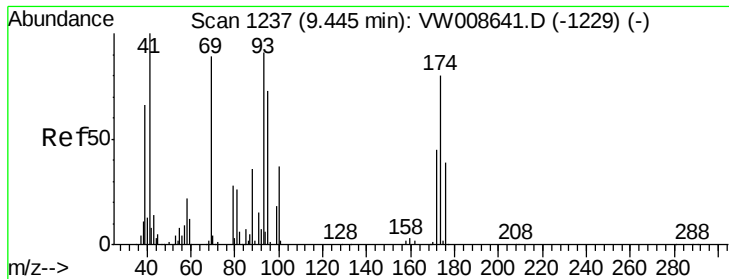
Tot Ion	75	Resp	27066
Ion Ratio	100	Lower	Upper
75	10.4	17.8	53.3#
110	0.5	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.164 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008696.D
 Acq: 15 Feb 2019 20:26

Tgt Ion	117	Resp	35205
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	4.8	75.1	112.7#
121	0.0	23.5	35.3#

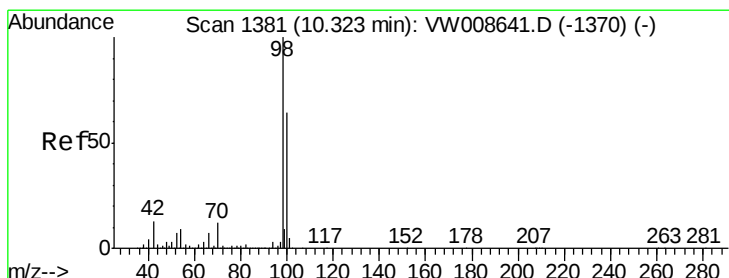
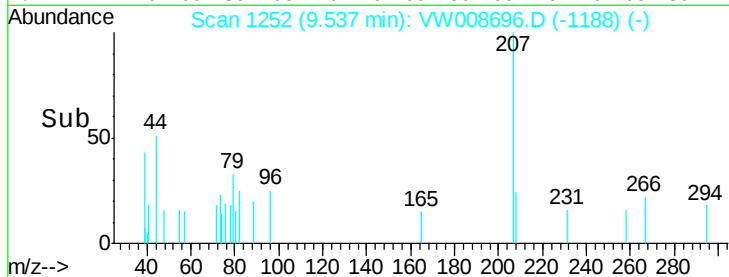
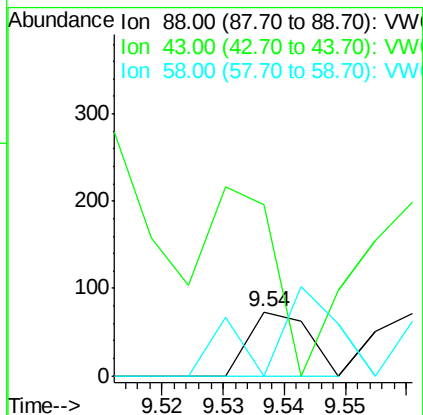
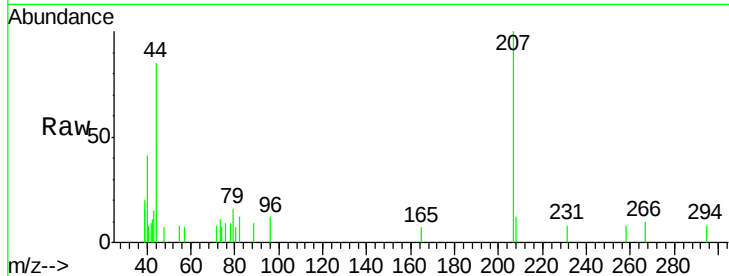




#49
1,4-Dioxane
Concen: 1.435 ug/l
RT: 9.54 min Scan# 1252
Delta R.T. 0.09 min
Lab File: VW008696.D
Acq: 15 Feb 2019 20:26

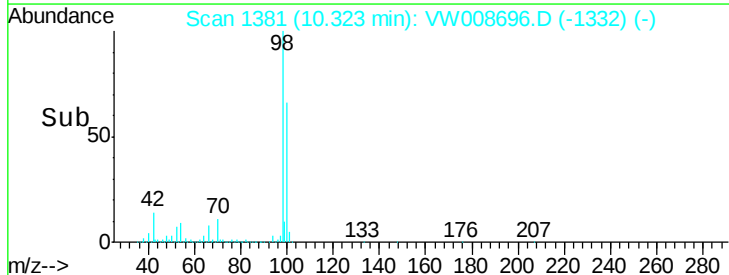
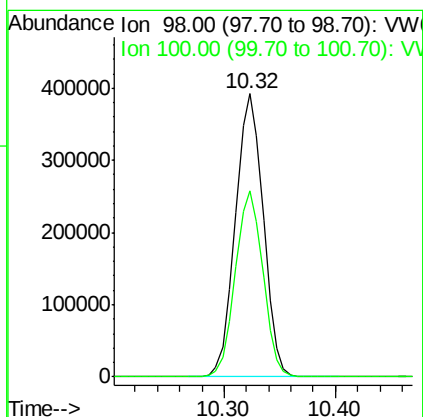
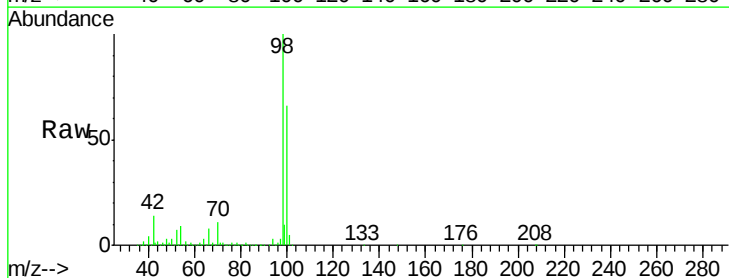
Instrument :
MSVOA_W
ClientSampled :

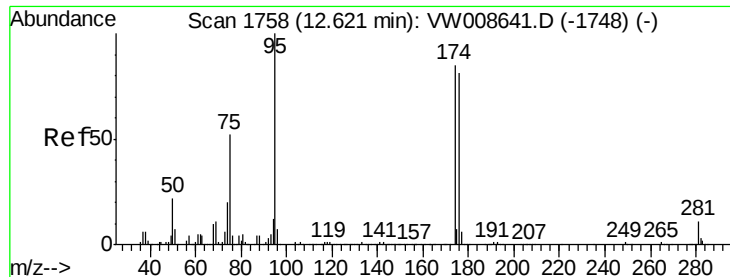
Tot Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.6#
58 218.4 57.0 85.6#



#50
Toluene-d8
Concen: 49.666 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008696.D
Acq: 15 Feb 2019 20:26

Tgt Ion: 98 Resp: 679619
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 46.737 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008696.D

Acq: 15 Feb 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

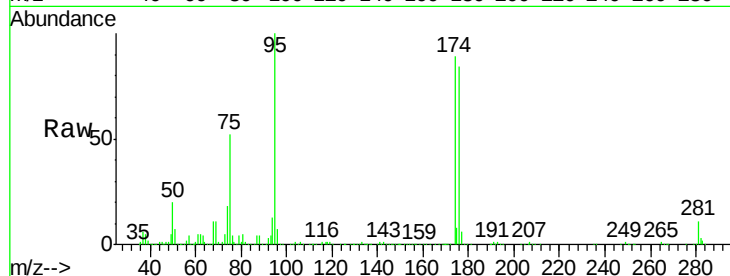
Tot Ion: 95 Resp: 240891

Ion Ratio Lower Upper

95 100

174 85.4 0.0 163.2

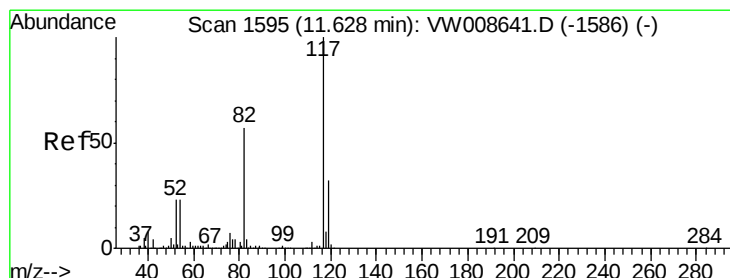
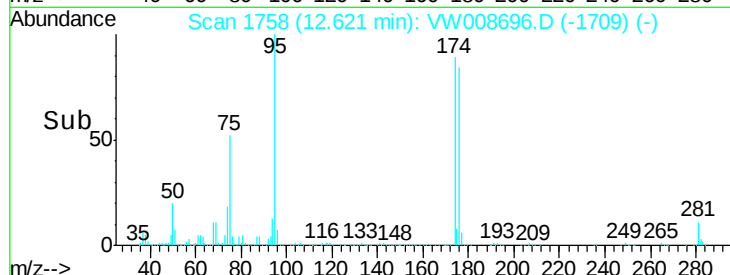
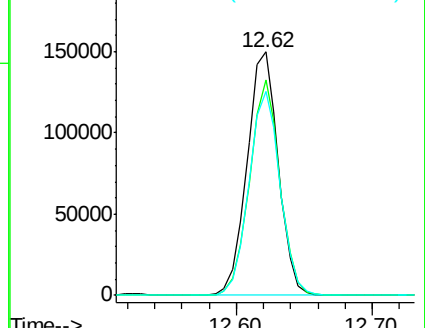
176 83.4 0.0 158.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW008696.D

Acq: 15 Feb 2019 20:26

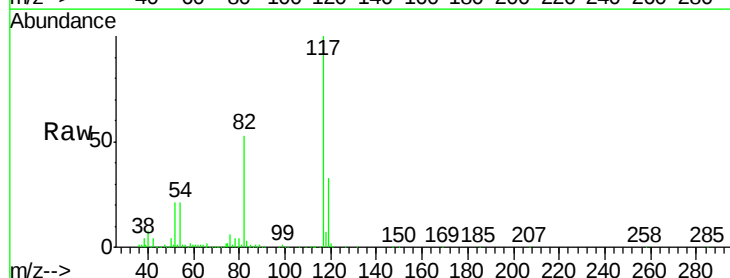
Tgt Ion: 117 Resp: 507331

Ion Ratio Lower Upper

117 100

82 52.7 45.6 68.4

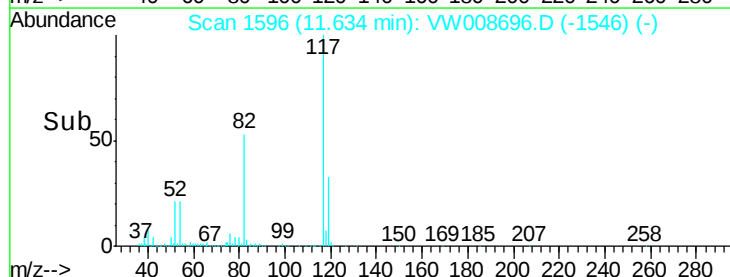
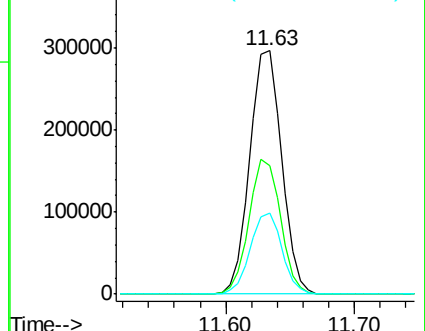
119 33.1 25.7 38.5

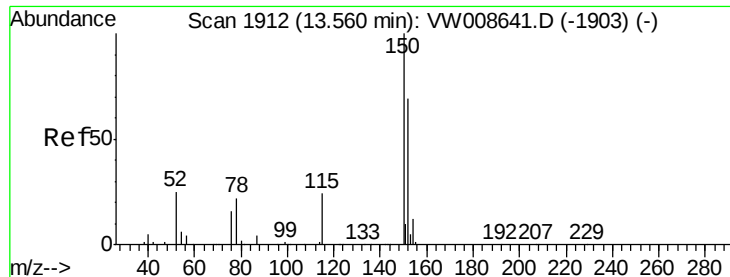


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008696.D

Acq: 15 Feb 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

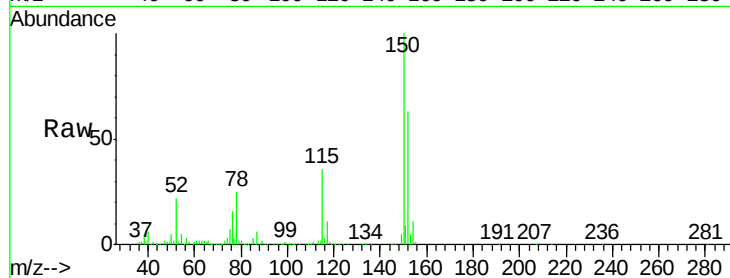
Tot Ion:152 Resp: 256839

Ion Ratio Lower Upper

152 100

115 56.4 29.3 87.8

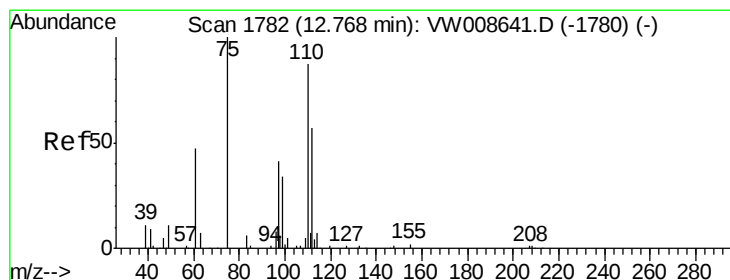
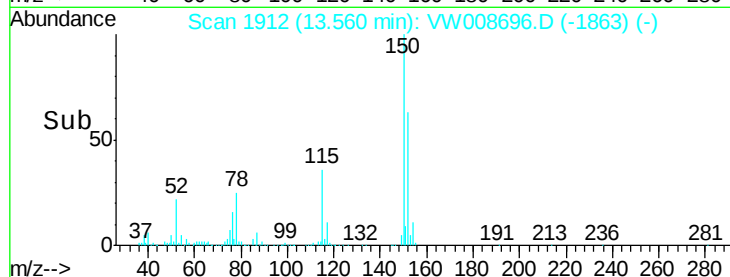
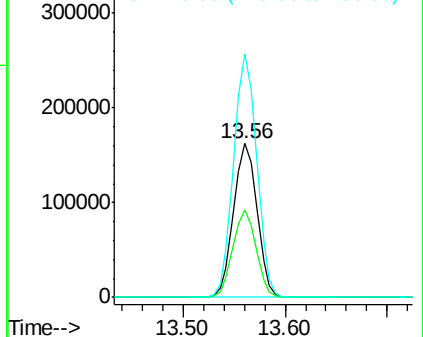
150 156.1 0.0 352.8



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: 50.828 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008696.D

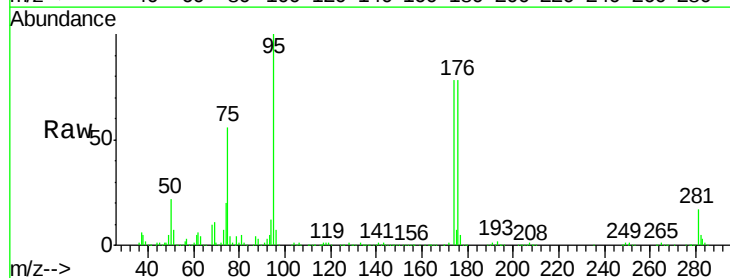
Acq: 15 Feb 2019 20:26

Tgt Ion: 75 Resp: 128909

Ion Ratio Lower Upper

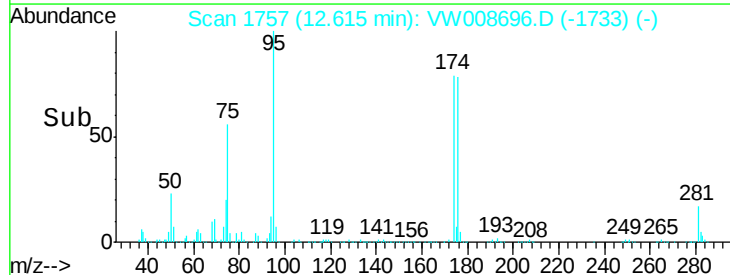
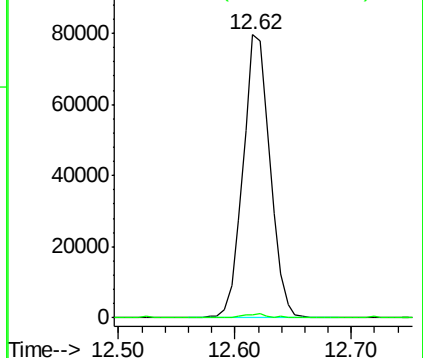
75 100

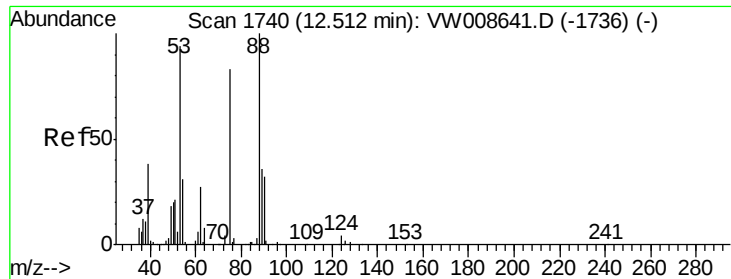
77 1.4 0.0 0.0#



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: 108.939 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008696.D

Acq: 15 Feb 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

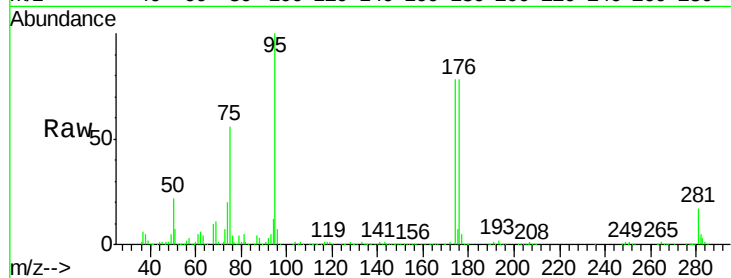
Tot Ion: 75 Resp: 128909

Ion Ratio Lower Upper

75 100

53 0.2 87.4 131.0#

89 0.3 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

