

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008885.D
 Acq On : 28 Feb 2019 14:14
 Operator : SY/VA
 Sample : VIBLK
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Mar 01 06:00:14 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	318809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	458356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	448469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	244459	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	182588	61.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.12%	
35) Dibromofluoromethane	7.88	113	147393	53.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.12%	
50) Toluene-d8	10.32	98	615427	57.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.86%	
62) 4-Bromofluorobenzene	12.62	95	245049	58.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.82%	

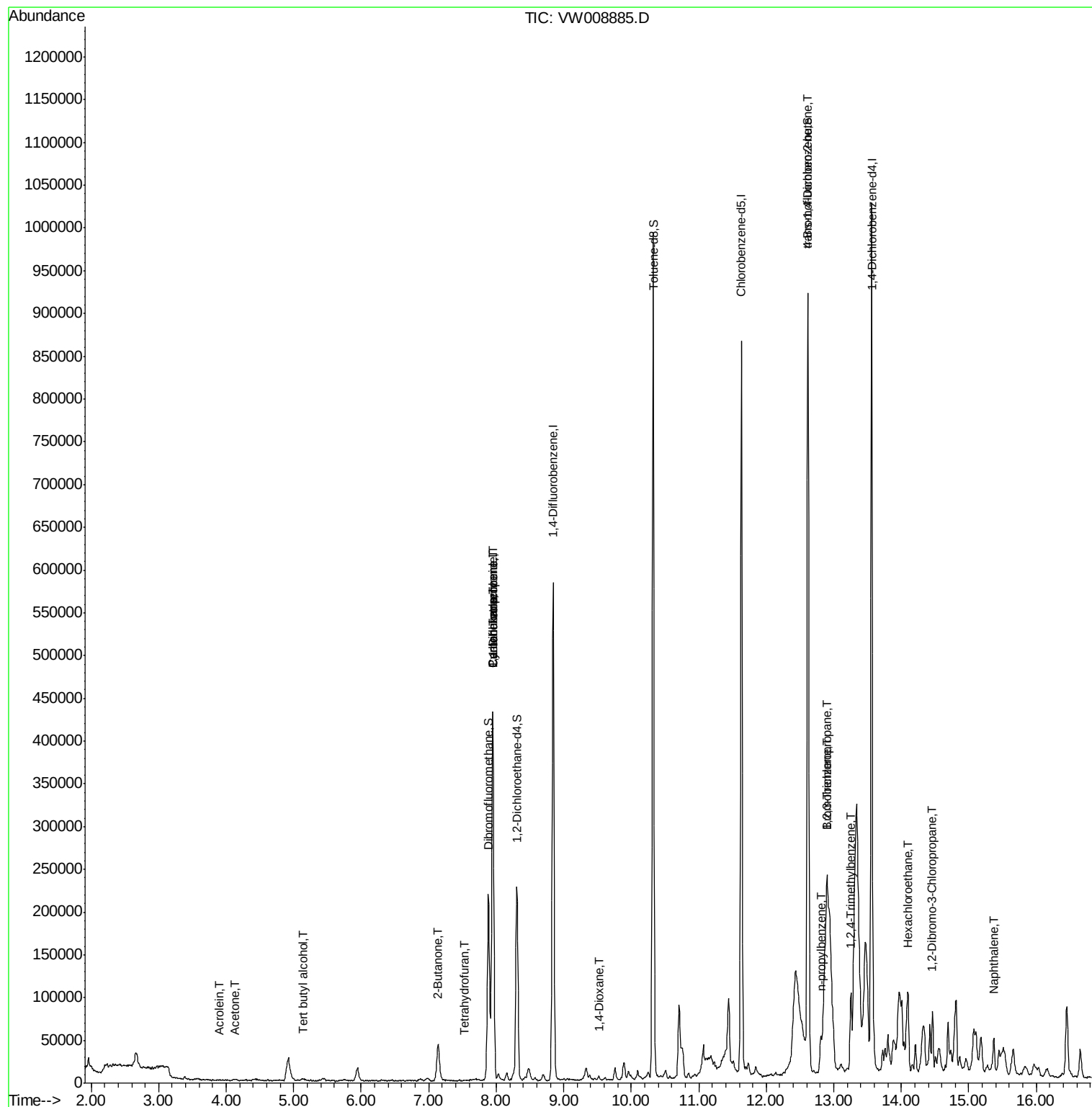
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	1026	3.854	ug/l	95
13) Acrolein	3.89	56	214	20.482	ug/l #	1
16) Acetone	4.12	43	2787	4.021	ug/l #	79
25) 2-Butanone	7.13	43	3762	3.882	ug/l #	68
29) Tetrahydrofuran	7.53	42	727	1.177	ug/l #	60
31) Cyclohexane	7.95	56	9872	1.751	ug/l #	56
36) 1,1-Dichloropropene	7.95	75	26541	5.948	ug/l #	53
38) Carbon Tetrachloride	7.95	117	31702	6.737	ug/l #	18
49) 1,4-Dioxane	9.52	88	27	1.007	ug/l #	1
76) 1,2,3-Trichloropropane	12.90	75	4450	2.205	ug/l #	100
77) Bromobenzene	12.90	156	316610	79.947	ug/l #	1
78) n-propylbenzene	12.80	91	26558	1.296	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.62	75	135396	163.084	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.26	105	42354	2.809	ug/l	98
90) Hexachloroethane	14.10	117	4970	1.829	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.45	75	697	1.407	ug/l #	1
95) Naphthalene	15.37	128	27106	3.018	ug/l #	93

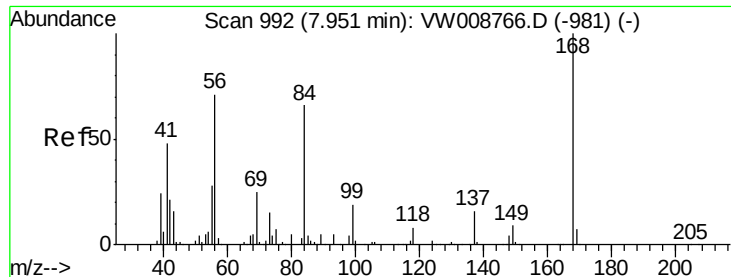
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008885.D

Acq: 28 Feb 2019 14:14

Instrument :

MSVOA_W

ClientSampleId :

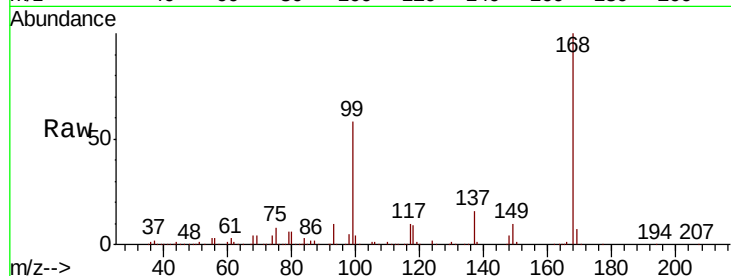
VIBLK

Tot Ion:168 Resp: 318809

Ion Ratio Lower Upper

168 100

99 57.8 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

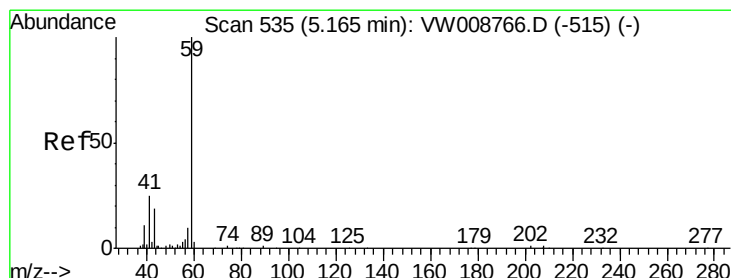
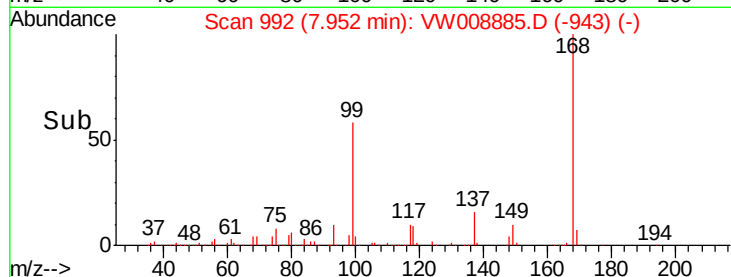
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.854 ug/l

RT: 5.13 min Scan# 530

Delta R.T. -0.03 min

Lab File: VW008885.D

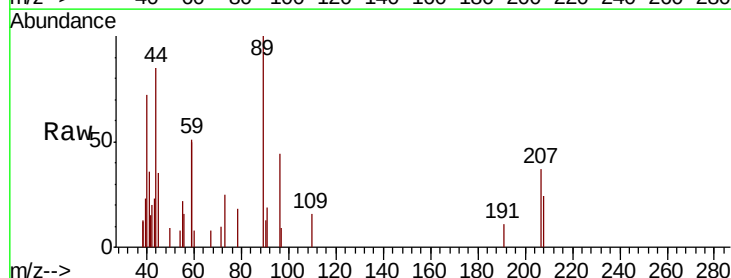
Acq: 28 Feb 2019 14:14

Tgt Ion: 59 Resp: 1026

Ion Ratio Lower Upper

59 100

57 13.5 9.3 13.9



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

800

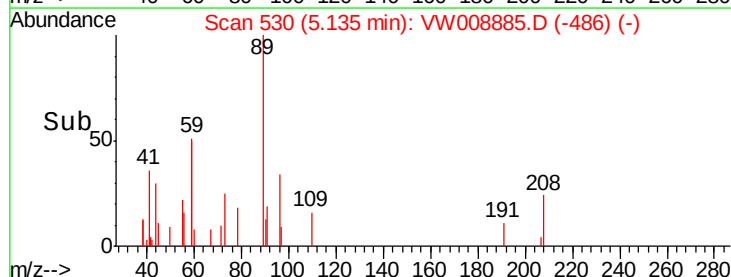
600

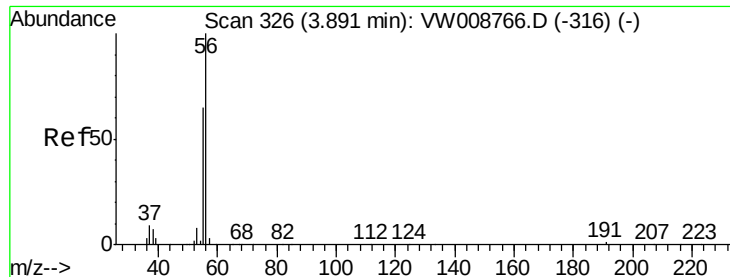
400

200

0

Time-->





#13

Acrolein

Concen: 20.482 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW008885.D

Acq: 28 Feb 2019 14:14

Instrument :

MSVOA_W

ClientSampleId :

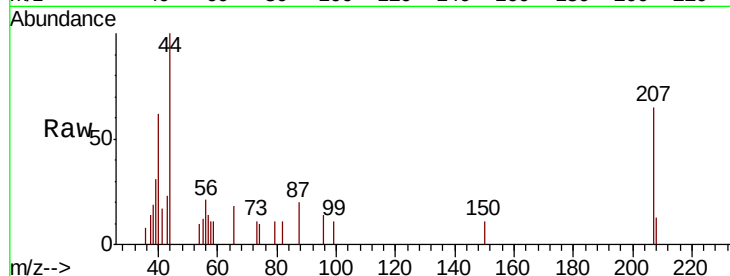
VIBLK

Tot Ion: 56 Resp: 214

Ion Ratio Lower Upper

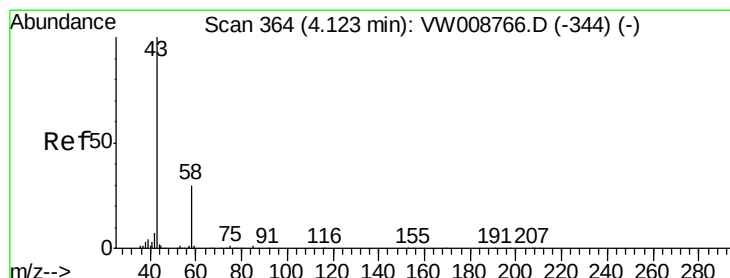
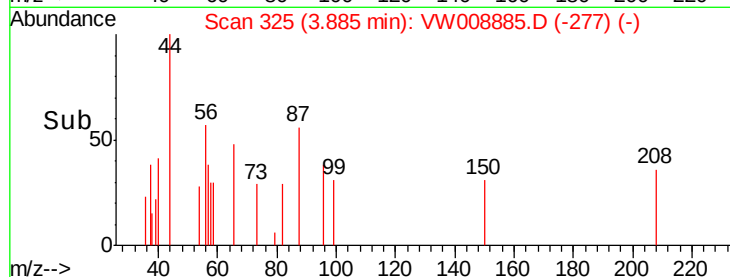
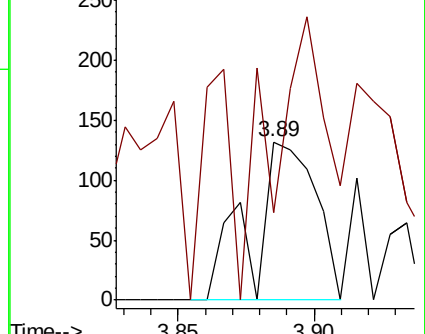
56 100

55 157.9 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 4.021 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW008885.D

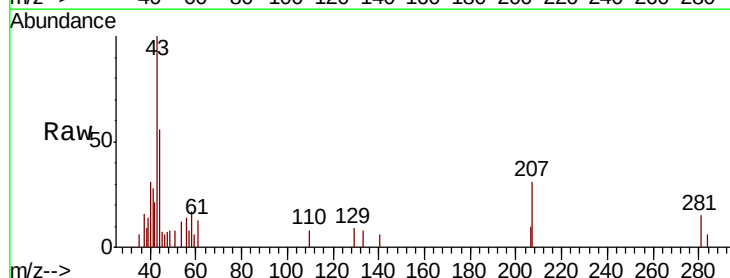
Acq: 28 Feb 2019 14:14

Tgt Ion: 43 Resp: 2787

Ion Ratio Lower Upper

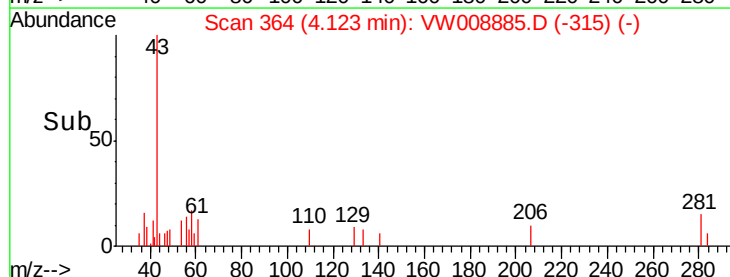
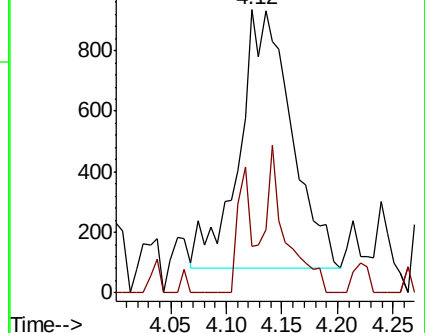
43 100

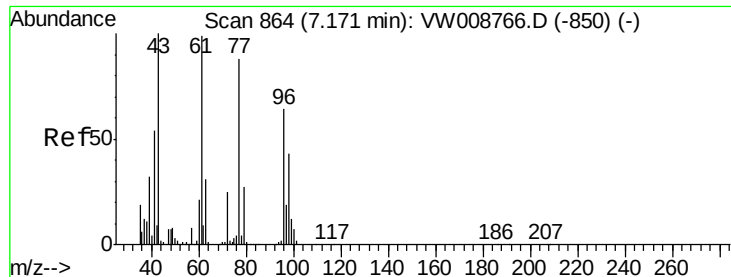
58 18.3 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#25

2-Butanone

Concen: 3.882 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW008885.D

Acq: 28 Feb 2019 14:14

Instrument :

MSVOA_W

ClientSampled :

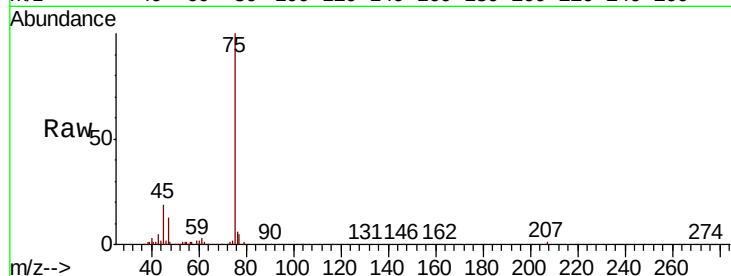
VIBLK

Tot Ion: 43 Resp: 3762

Ion Ratio Lower Upper

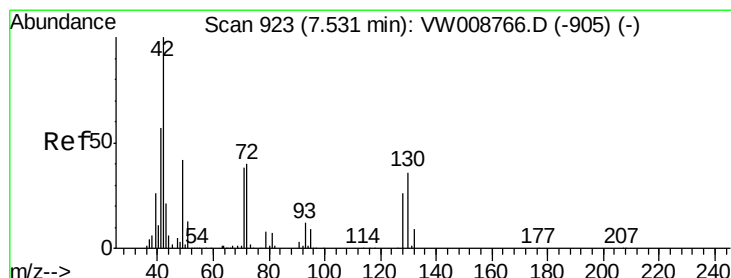
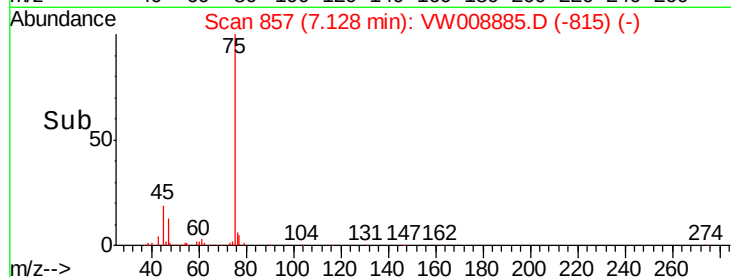
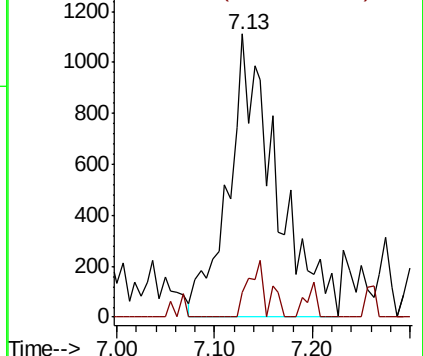
43 100

72 8.6 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: 1.177 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW008885.D

Acq: 28 Feb 2019 14:14

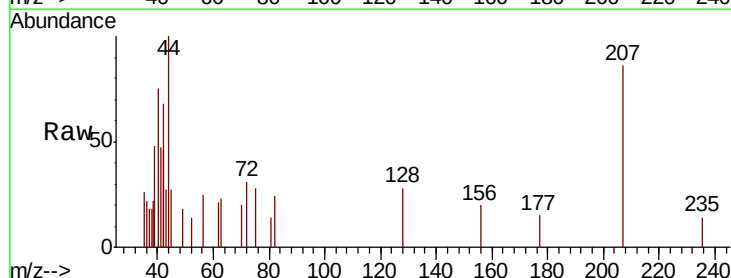
Tgt Ion: 42 Resp: 727

Ion Ratio Lower Upper

42 100

72 30.8 32.7 49.1#

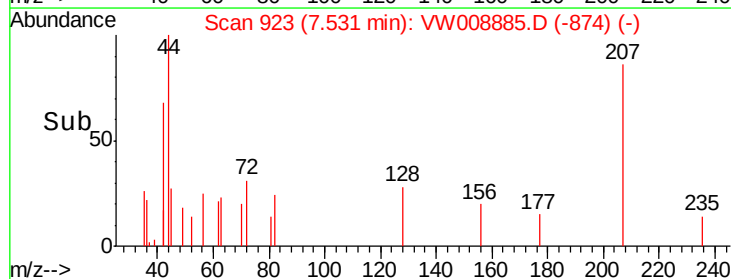
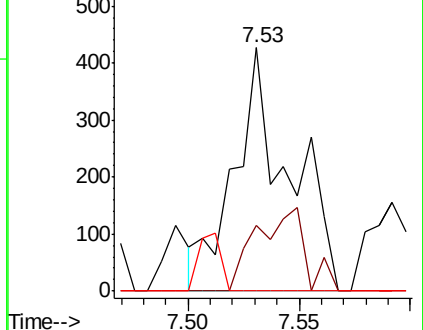
71 0.0 31.3 46.9#

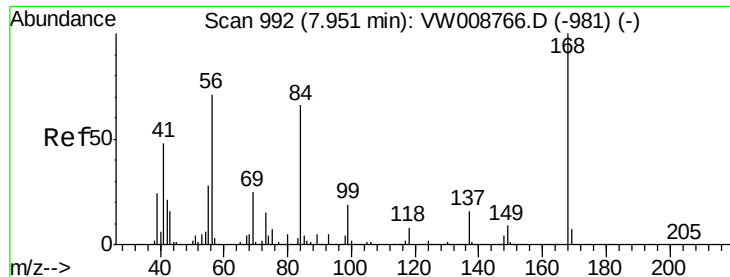


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

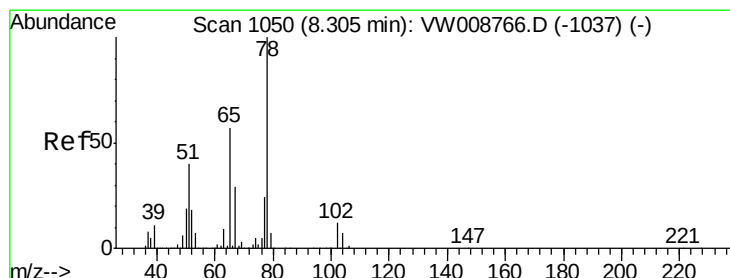
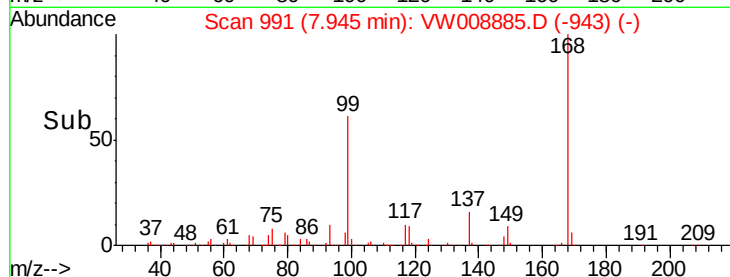
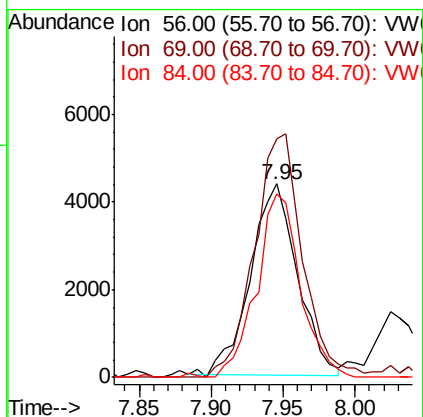
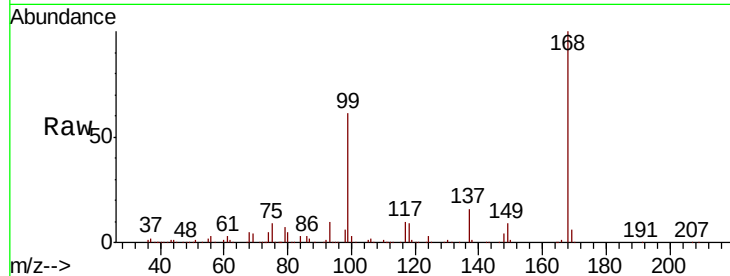




#31
Cyclohexane
Concen: 1.751 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008885.D
Acq: 28 Feb 2019 14:14

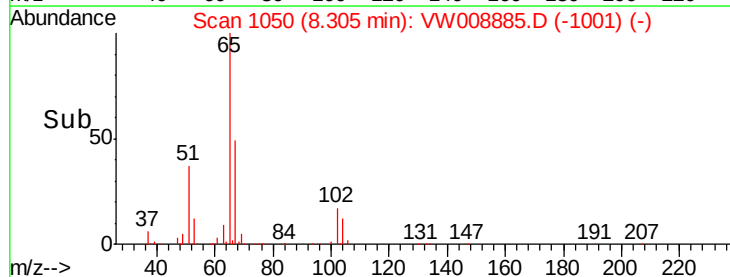
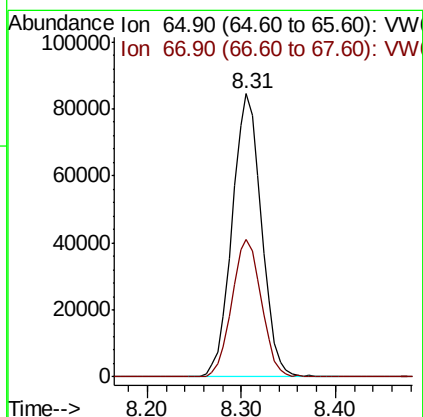
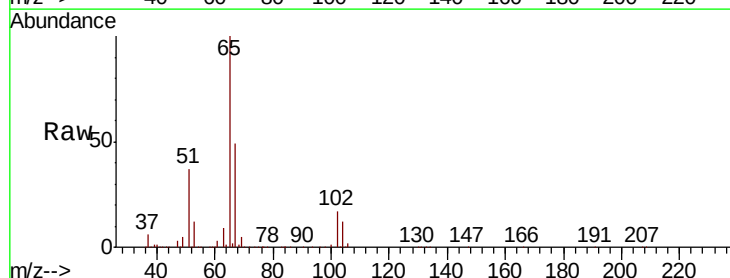
Instrument :
MSVOA_W
ClientSampled :
VIBLK

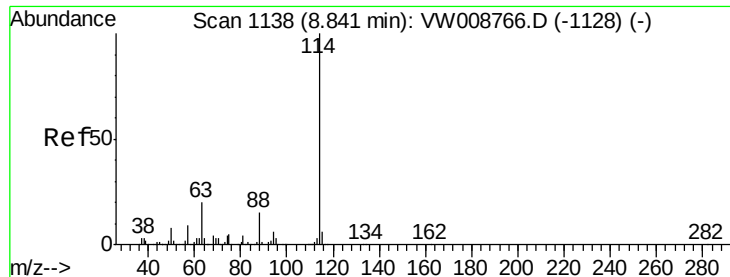
Tot Ion: 56 Resp: 9872
Ion Ratio Lower Upper
56 100
69 125.3 28.2 42.4#
84 94.7 74.1 111.1



#33
1,2-Dichloroethane-d4
Concen: 61.063 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008885.D
Acq: 28 Feb 2019 14:14

Tgt Ion: 65 Resp: 182588
Ion Ratio Lower Upper
65 100
67 49.2 0.0 101.4

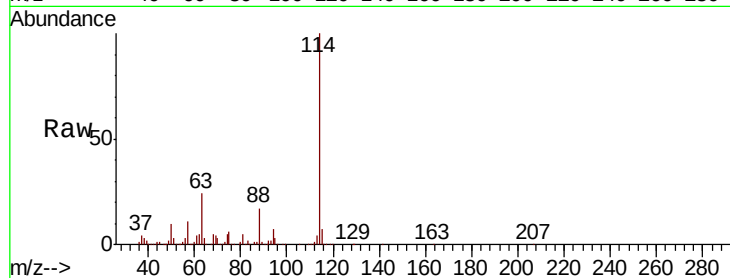




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008885.D
Acq: 28 Feb 2019 14:14

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	40.8
88	16.6	0.0	30.4

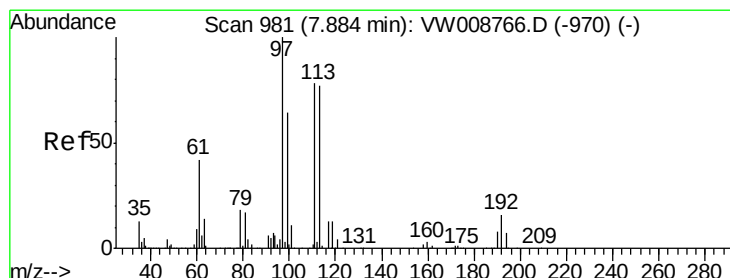
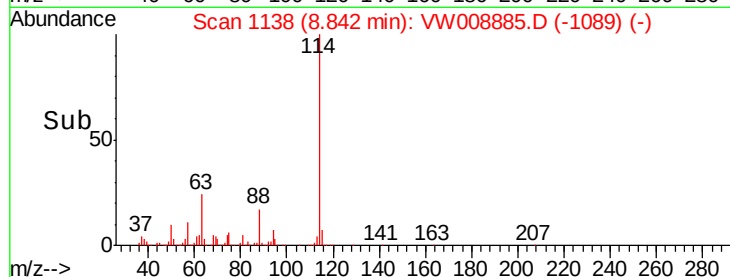
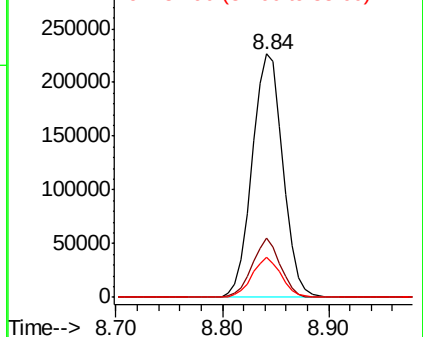


Abundance

Ion 113.90 (113.60 to 114.60): V

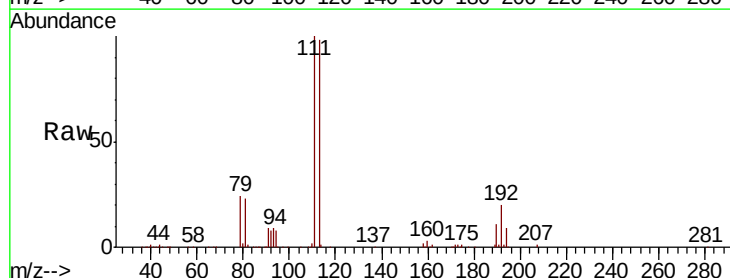
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
Dibromofluoromethane
Concen: 53.558 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008885.D
Acq: 28 Feb 2019 14:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.9	122.9
192	20.5	17.1	25.7

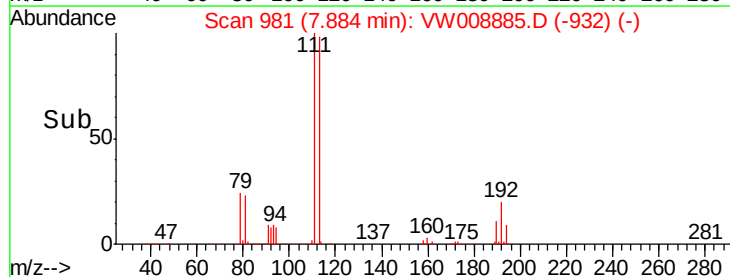
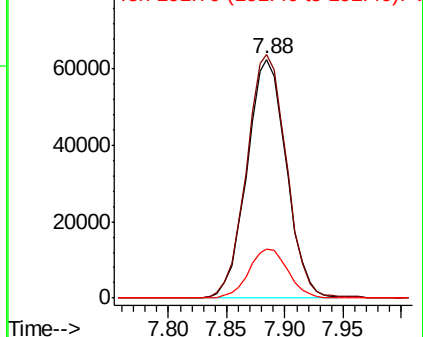


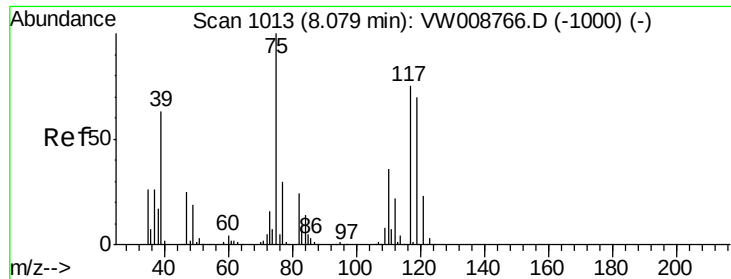
Abundance

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

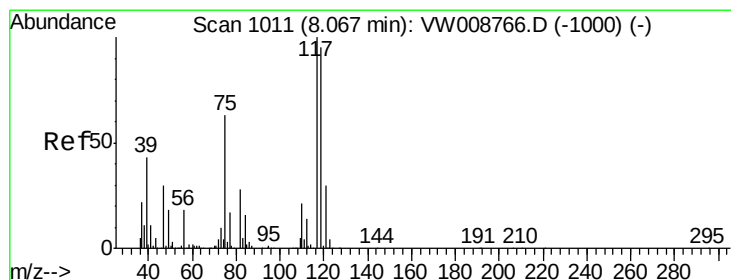
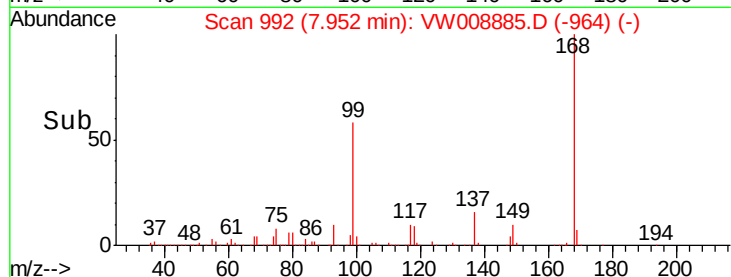
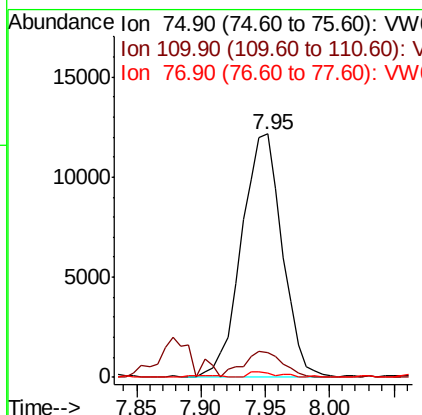
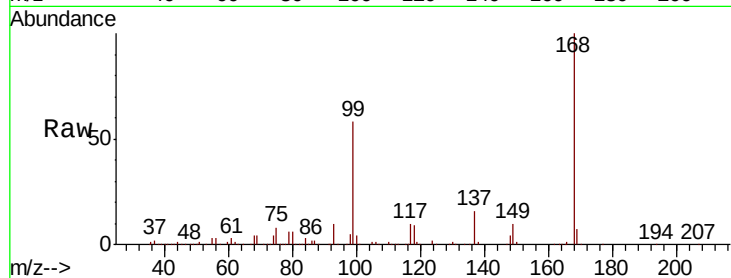




#36
 1,1-Dichloropropene
 Concen: 5.948 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW008885.D
 Acq: 28 Feb 2019 14:14

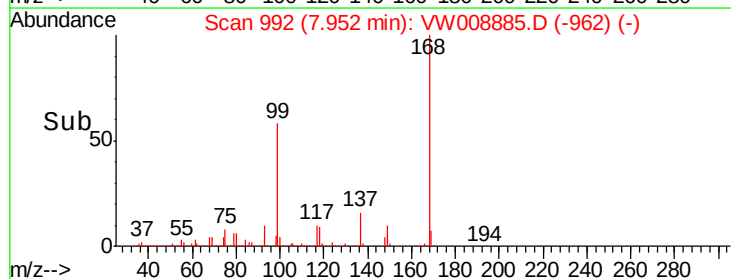
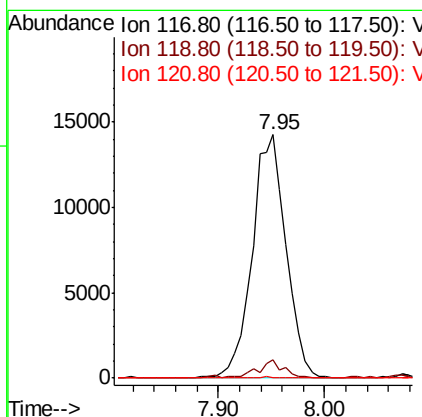
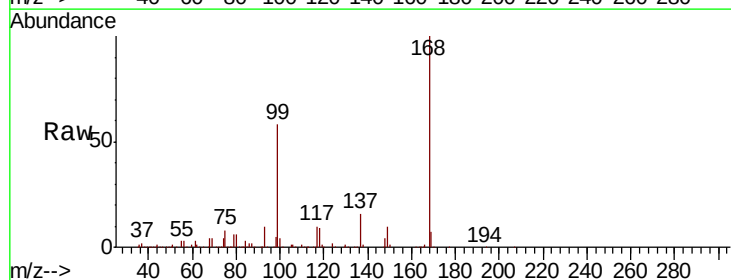
Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

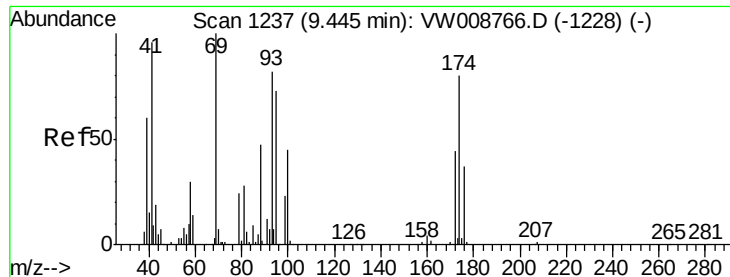
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.5	52.6#
77	1.6	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.737 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW008885.D
 Acq: 28 Feb 2019 14:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.7	76.1	114.1#
121	0.0	24.0	36.0#





#49

1,4-Dioxane

Concen: 1.007 ug/l

RT: 9.52 min Scan# 1250

Delta R.T. 0.08 min

Lab File: VW008885.D

Acq: 28 Feb 2019 14:14

Instrument :

MSVOA_W

ClientSampled :

VIBLK

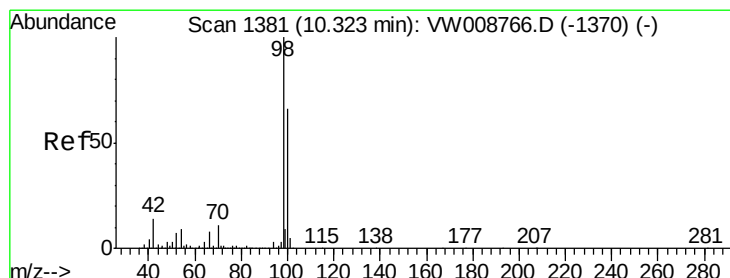
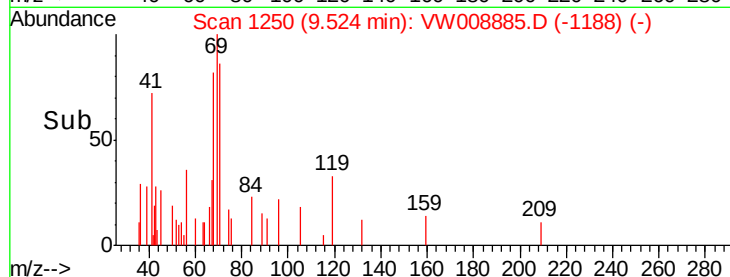
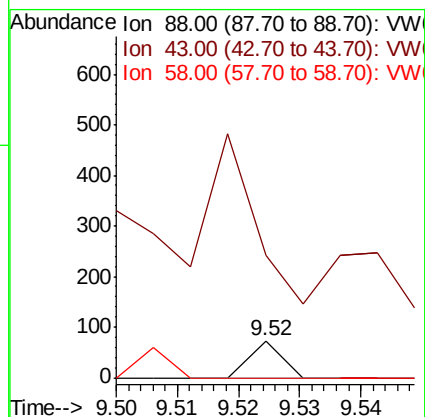
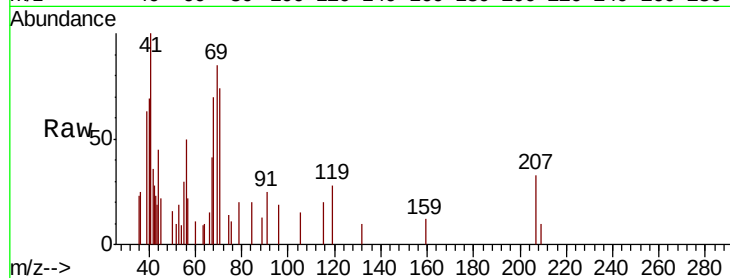
Tot Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 1507.4 29.0 43.4#

58 81.5 52.0 78.0#



#50

Toluene-d8

Concen: 57.930 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008885.D

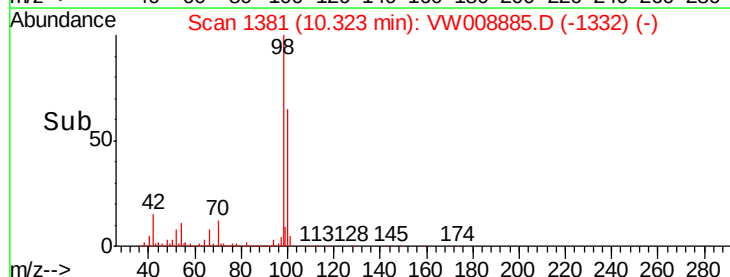
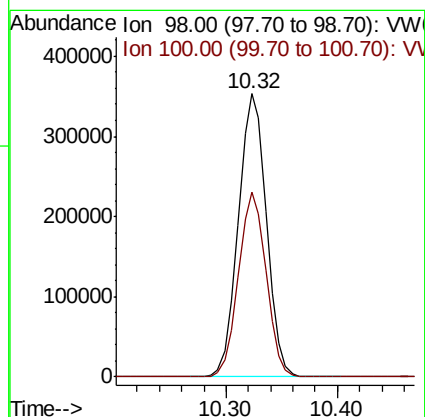
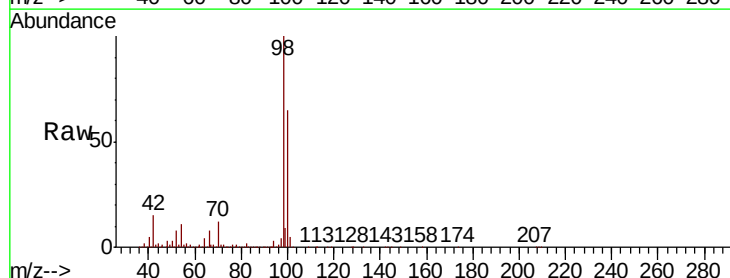
Acq: 28 Feb 2019 14:14

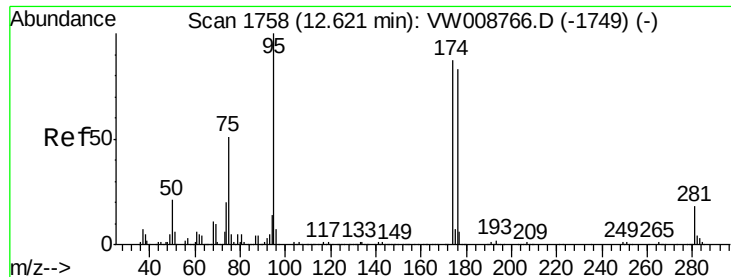
Tgt Ion: 98 Resp: 615427

Ion Ratio Lower Upper

98 100

100 64.5 52.4 78.6

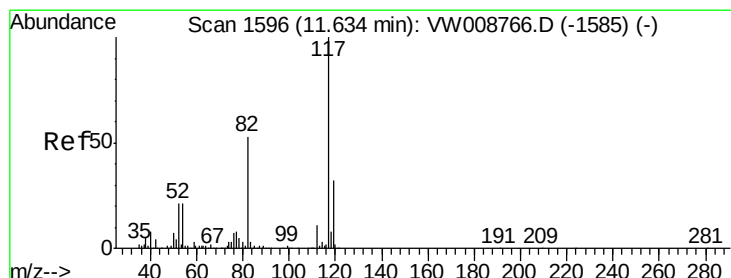
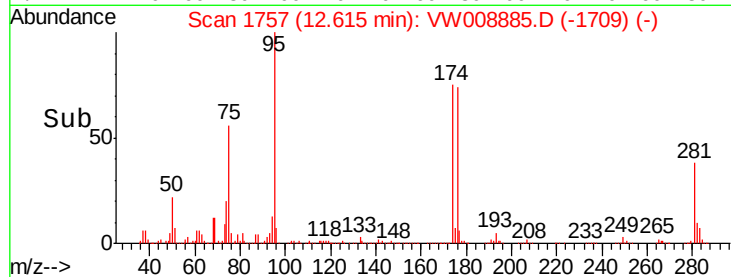
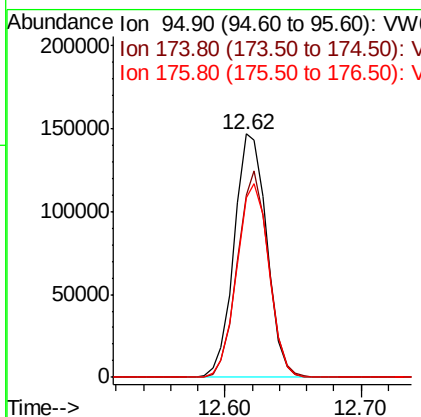
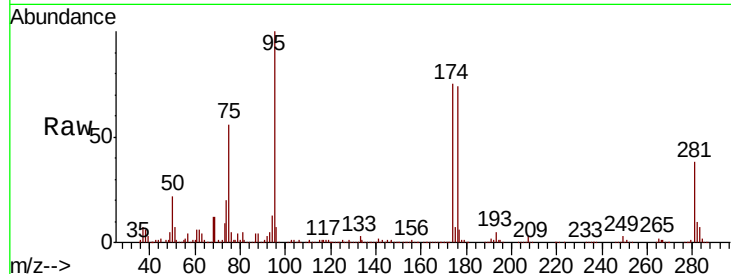




#62
4-Bromofluorobenzene
Concen: 58.912 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW008885.D
Acq: 28 Feb 2019 14:14

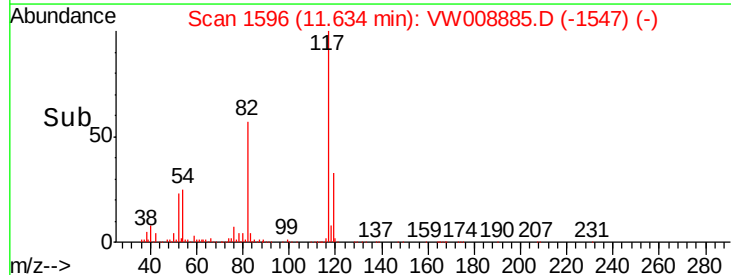
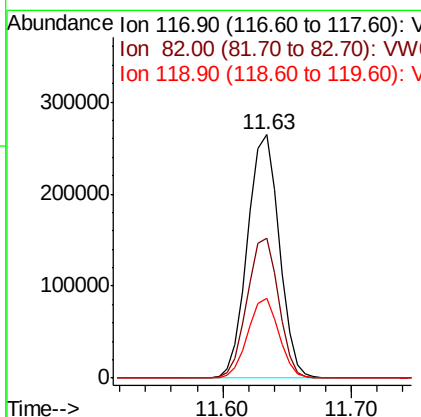
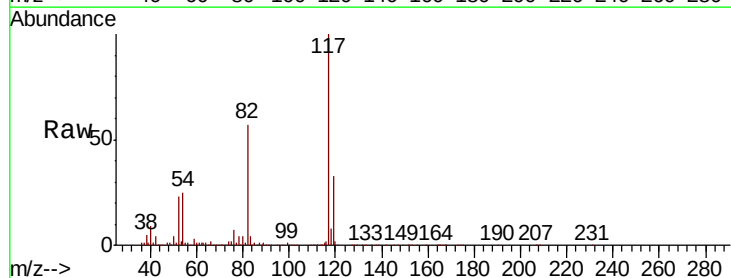
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

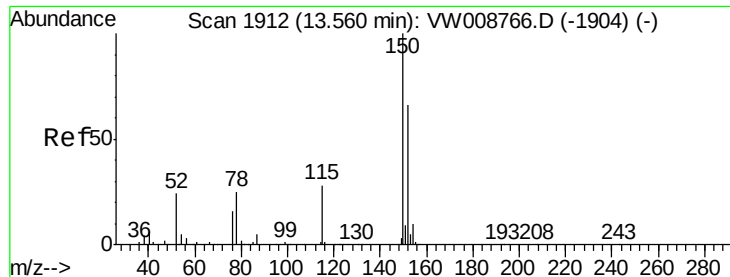
Tot Ion: 95 Resp: 245049
Ion Ratio Lower Upper
95 100
174 81.1 0.0 169.2
176 78.9 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008885.D
Acq: 28 Feb 2019 14:14

Tgt Ion: 117 Resp: 448469
Ion Ratio Lower Upper
117 100
82 57.2 42.2 63.4
119 32.6 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: VW008885.D

Acq: 28 Feb 2019 14:14

Instrument :

MSVOA_W

ClientSampled :

VIBLK

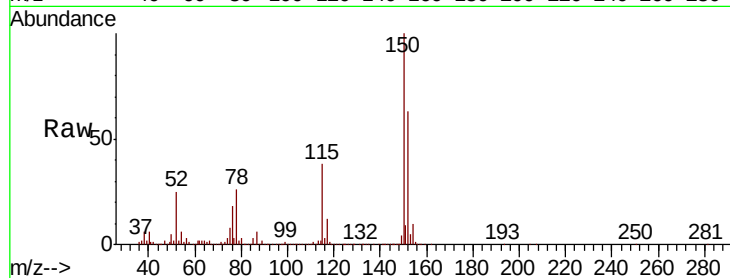
Tot Ion:152 Resp: 244459

Ion Ratio Lower Upper

152 100

115 58.8 28.6 85.8

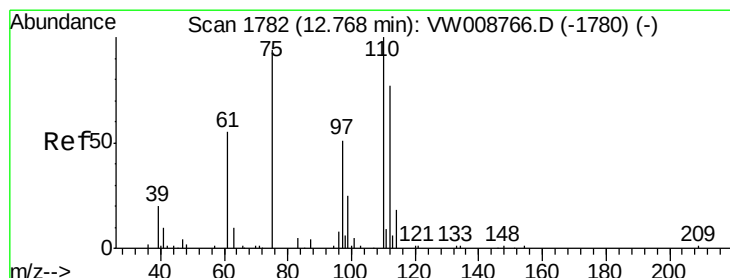
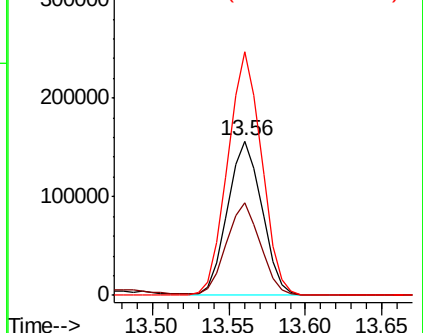
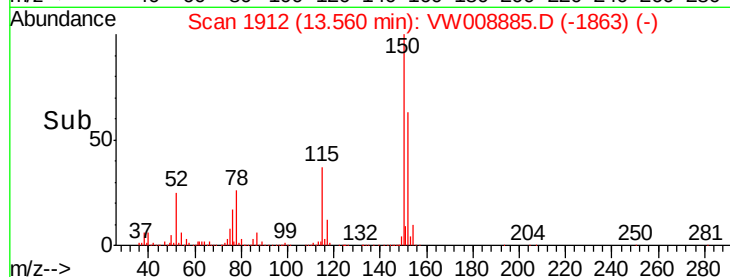
150 155.0 0.0 348.0



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: 2.205 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.13 min

Lab File: VW008885.D

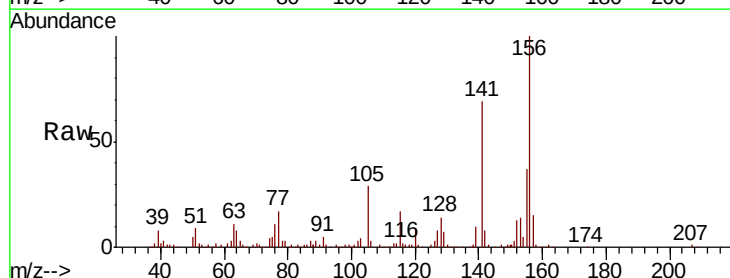
Acq: 28 Feb 2019 14:14

Tgt Ion: 75 Resp: 4450

Ion Ratio Lower Upper

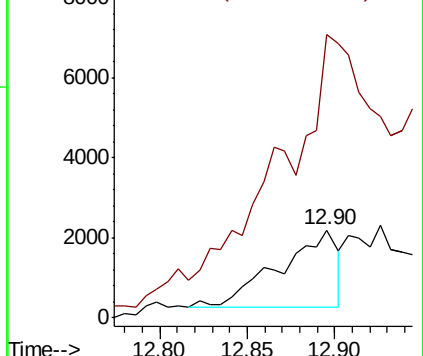
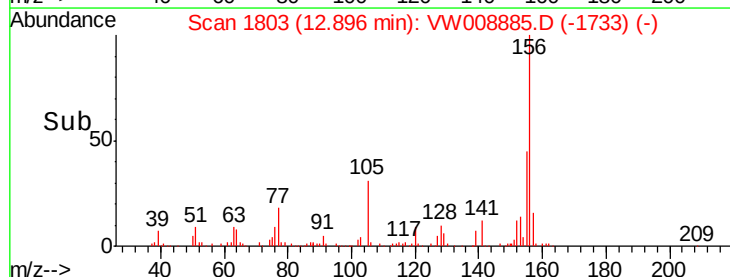
75 100

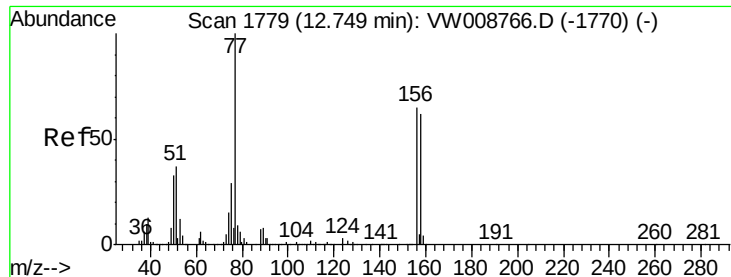
77 631.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 79.947 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.15 min

Lab File: VW008885.D

Acq: 28 Feb 2019 14:14

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

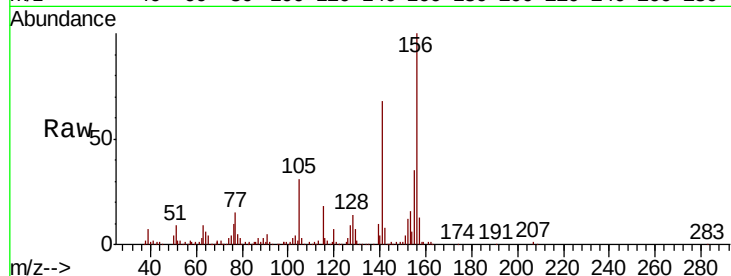
Tot Ion:156 Resp: 316610

Ion Ratio Lower Upper

156 100

77 8.9 89.1 267.4#

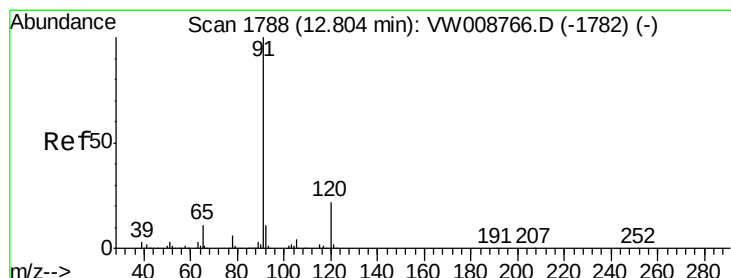
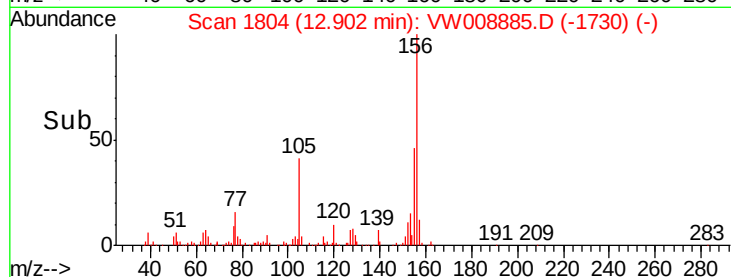
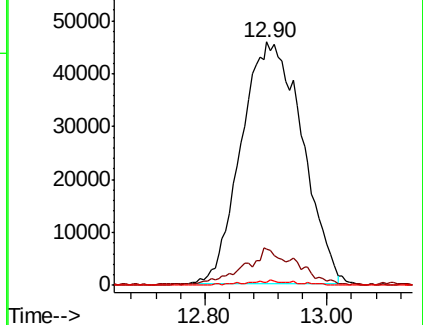
158 0.8 49.2 147.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.296 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008885.D

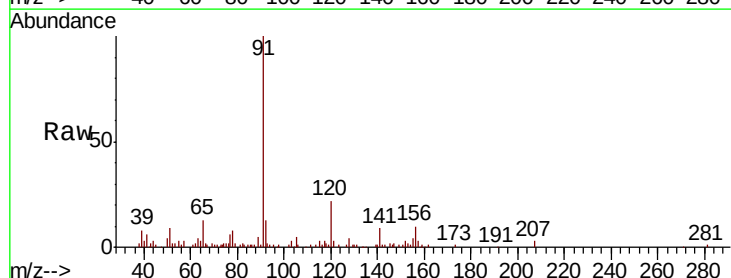
Acq: 28 Feb 2019 14:14

Tgt Ion: 91 Resp: 26558

Ion Ratio Lower Upper

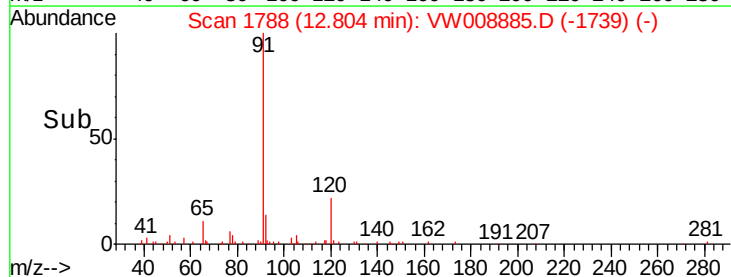
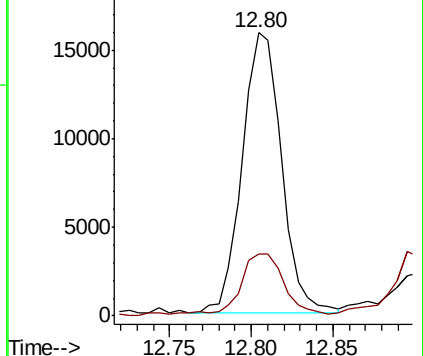
91 100

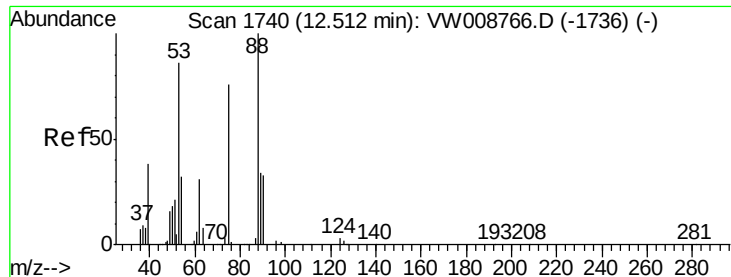
120 25.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

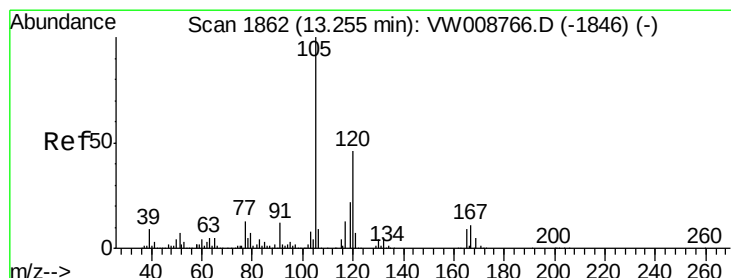
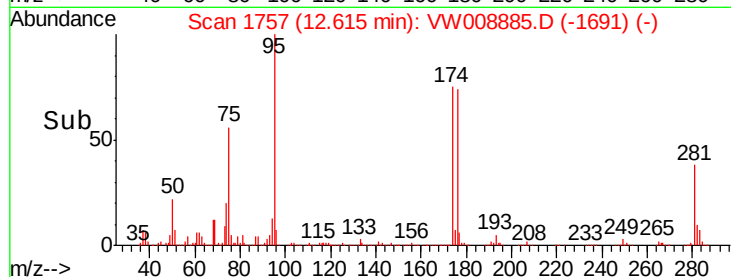
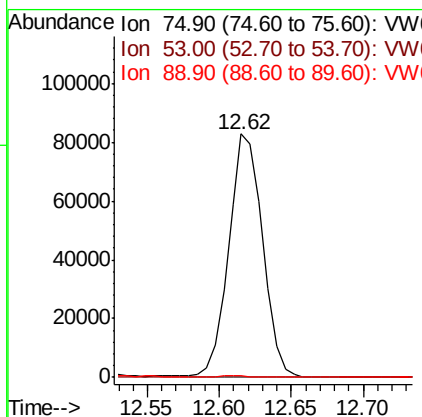
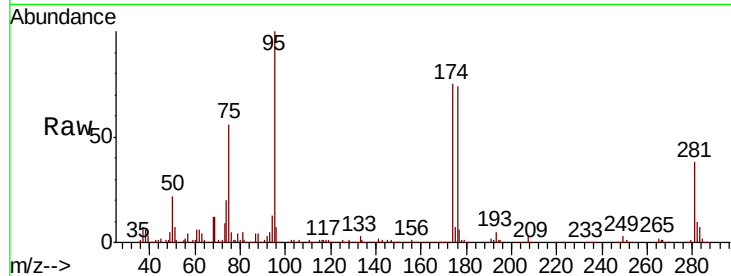




#81
trans-1,4-Dichloro-2-butene
Concen: 163.084 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW008885.D
Acq: 28 Feb 2019 14:14

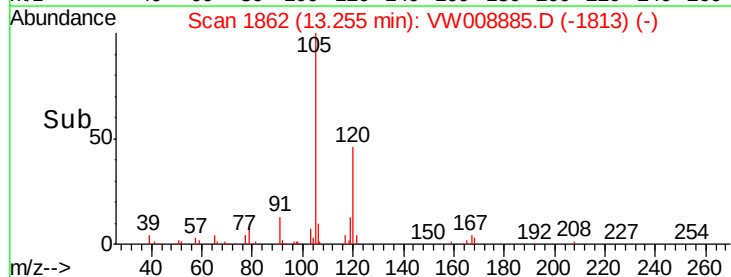
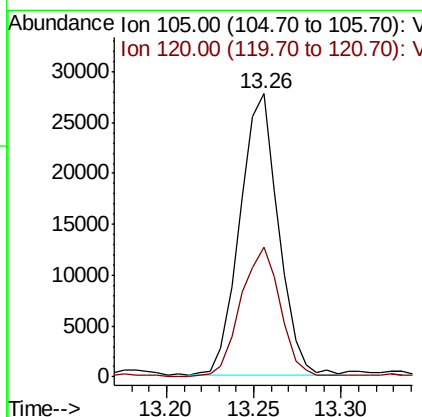
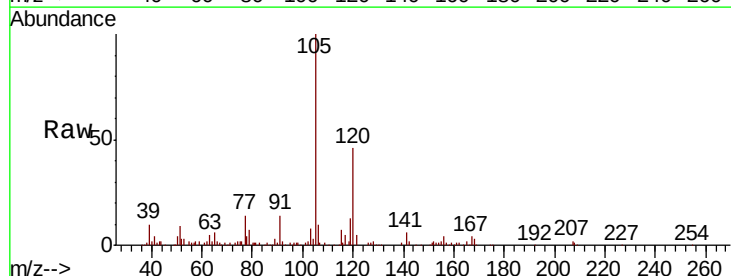
Instrument :
MSVOA_W
ClientSampled :
VIBLK

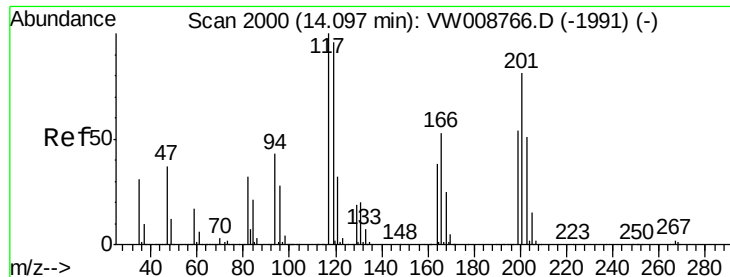
Tot Ion: 75 Resp: 135396
Ion Ratio Lower Upper
75 100
53 0.0 88.2 132.2#
89 0.7 39.5 59.3#



#84
1,2,4-Trimethylbenzene
Concen: 2.809 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008885.D
Acq: 28 Feb 2019 14:14

Tgt Ion: 105 Resp: 42354
Ion Ratio Lower Upper
105 100
120 46.9 22.8 68.4





#90

Hexachloroethane

Concen: 1.829 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW008885.D

Acq: 28 Feb 2019 14:14

Instrument :

MSVOA_W

ClientSampleId :

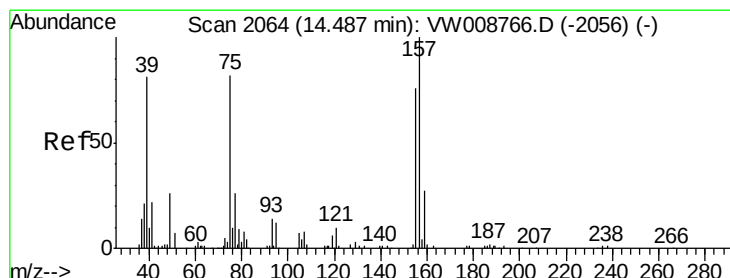
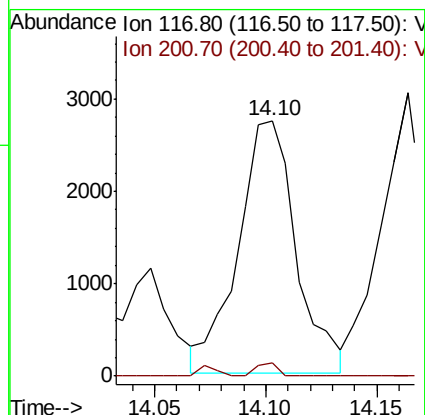
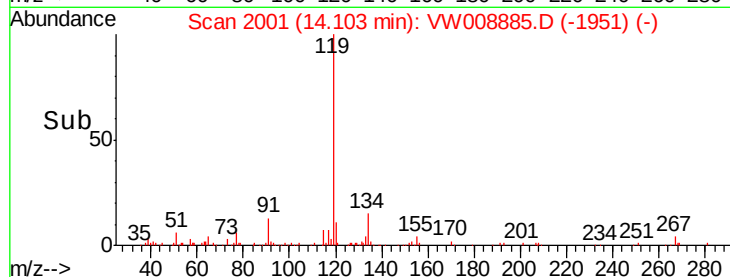
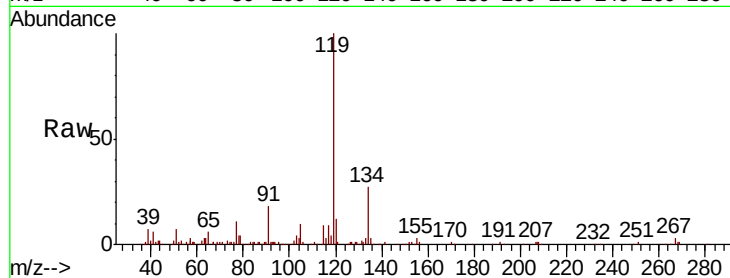
VIBLK

Tot Ion:117 Resp: 4970

Ion Ratio Lower Upper

117 100

201 2.0 40.3 120.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.407 ug/l

RT: 14.45 min Scan# 2058

Delta R.T. -0.04 min

Lab File: VW008885.D

Acq: 28 Feb 2019 14:14

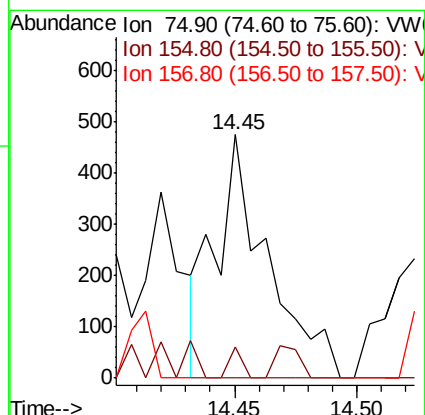
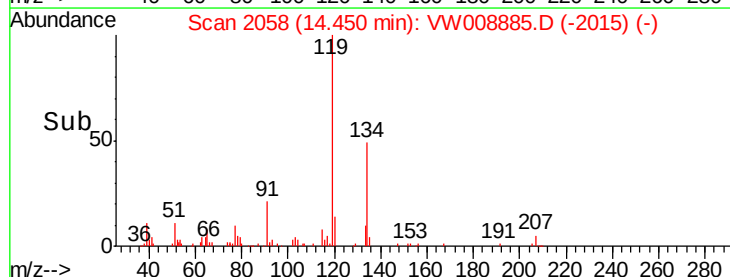
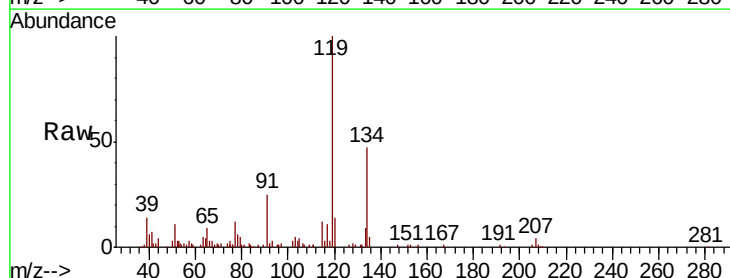
Tgt Ion: 75 Resp: 697

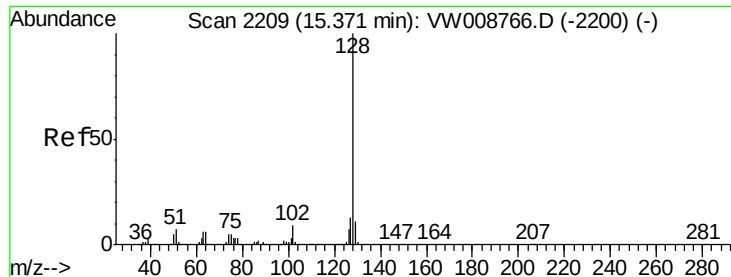
Ion Ratio Lower Upper

75 100

155 0.0 41.8 125.4#

157 0.0 56.6 169.9#





#95

Naphthalene

Concen: 3.018 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008885.D

Acq: 28 Feb 2019 14:14

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

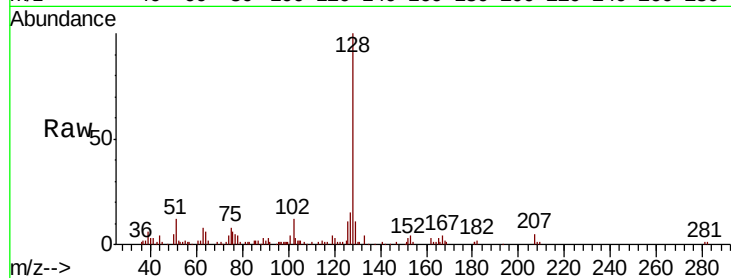
Tot Ion:128 Resp: 27106

Ion Ratio Lower Upper

128 100

127 15.8 10.8 16.2

129 14.2 8.7 13.1#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

