

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW022719\
 Data File : VW008876.D
 Acq On : 28 Feb 2019 02:36
 Operator : SY/VA
 Sample : K1650-01
 Misc : 4.79G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-1(1.5-2.5)

Quant Time: Mar 12 12:02:07 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

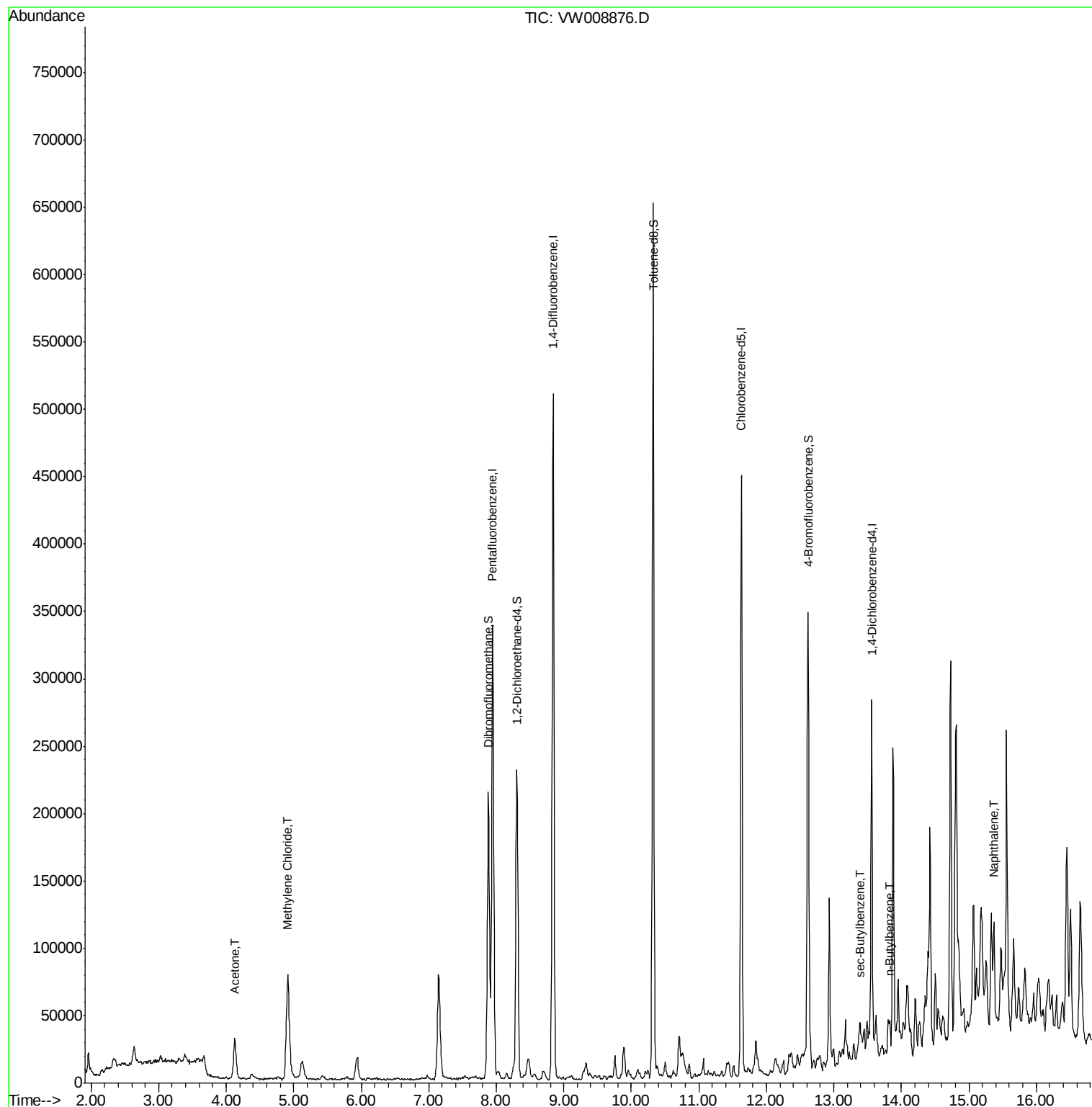
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	249319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	418581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	248510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	63486	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	173707	74.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	148.56%	
35) Dibromofluoromethane	7.88	113	141900	56.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.92%	
50) Toluene-d8	10.32	98	403079	41.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.10%	
62) 4-Bromofluorobenzene	12.62	95	88680	23.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	46.70%	
Target Compounds						
16) Acetone	4.13	43	51960	95.864	ug/l	97
20) Methylene Chloride	4.91	84	55491	17.457	ug/l	94
85) sec-Butylbenzene	13.38	105	13816	2.938	ug/l #	72
89) n-Butylbenzene	13.83	91	15527	3.845	ug/l #	84
95) Naphthalene	15.37	128	58666	25.152	ug/l	94

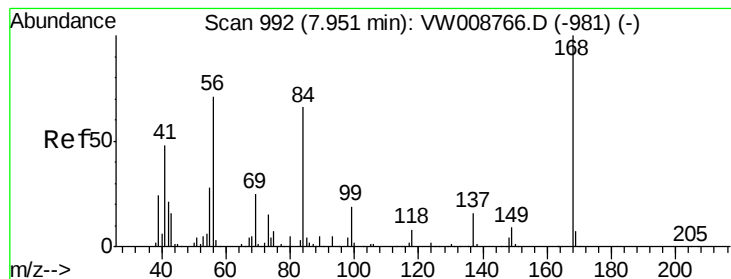
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 991

Delta R.T. -0.01 min

Lab File: VW008876.D

Acq: 28 Feb 2019 02:36

Instrument :

MSVOA_W

ClientSampleId :

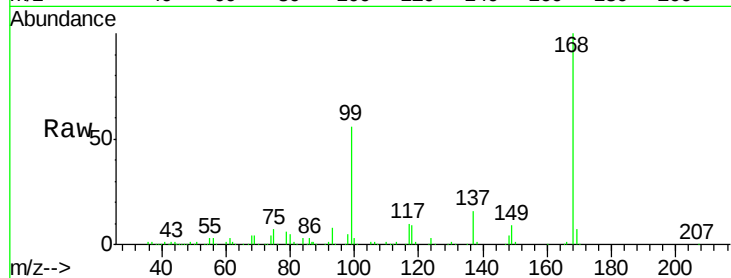
B-1(1.5-2.5)

Tot Ion:168 Resp: 249319

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

120000

100000

80000

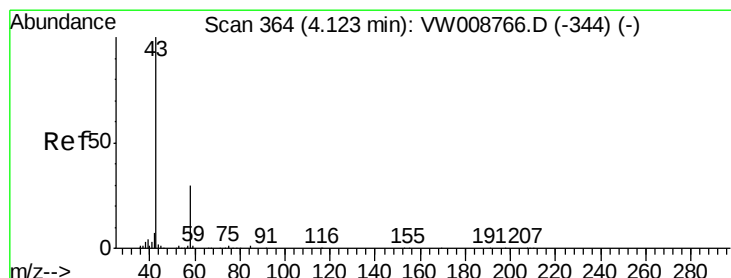
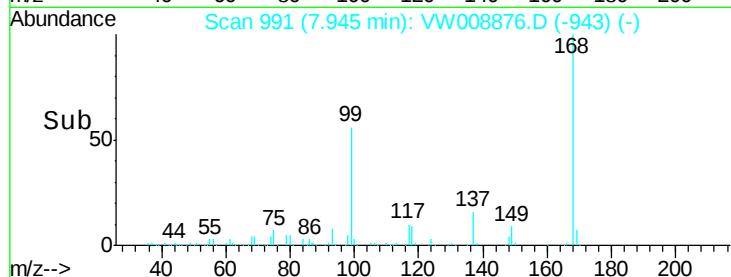
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 95.864 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008876.D

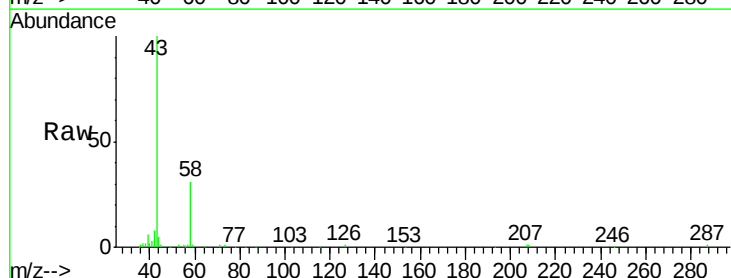
Acq: 28 Feb 2019 02:36

Tgt Ion: 43 Resp: 51960

Ion Ratio Lower Upper

43 100

58 31.5 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

20000

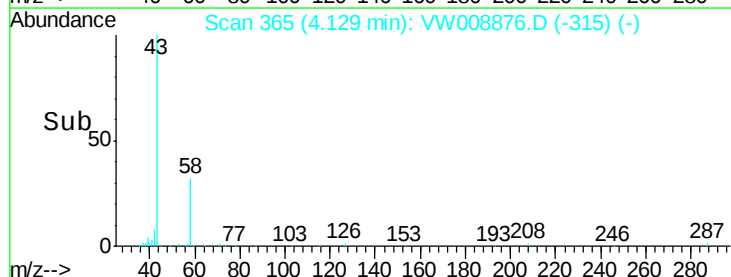
15000

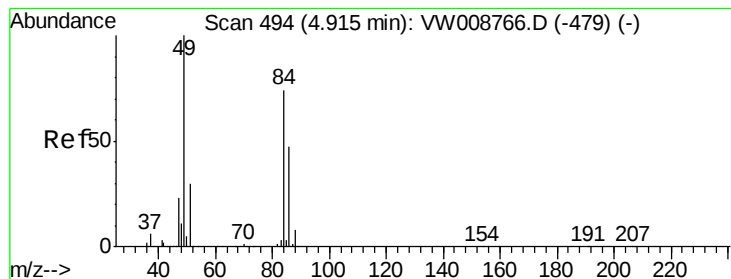
10000

5000

0

Time--> 4.00 4.10 4.20 4.30





#20

Methylene Chloride

Concen: 17.457 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW008876.D

Acq: 28 Feb 2019 02:36

Instrument :

MSVOA_W

ClientSampleId :

B-1(1.5-2.5)

Tot Ion: 84 Resp: 55491

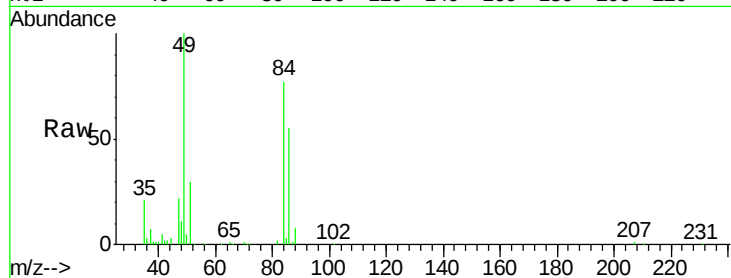
Ion	Ratio	Lower	Upper
84	100		
49	130.5	108.2	162.2
51	38.5	32.7	49.1
86	71.5	50.3	75.5

84 100

49 130.5 108.2 162.2

51 38.5 32.7 49.1

86 71.5 50.3 75.5

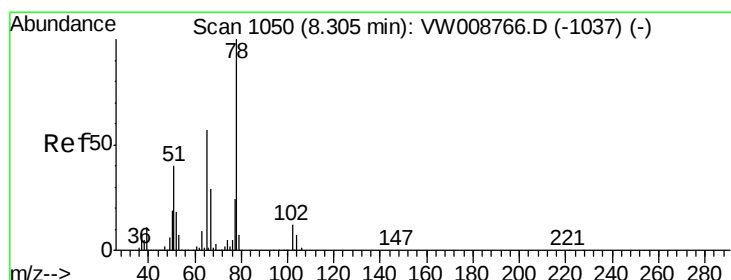
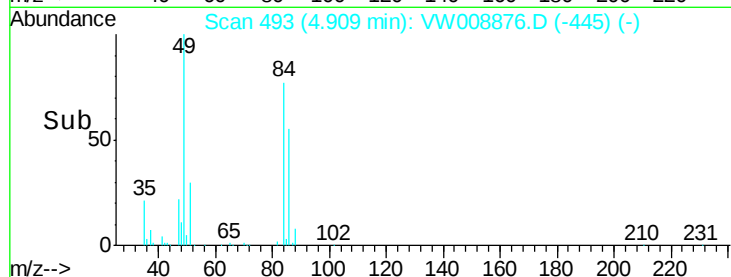
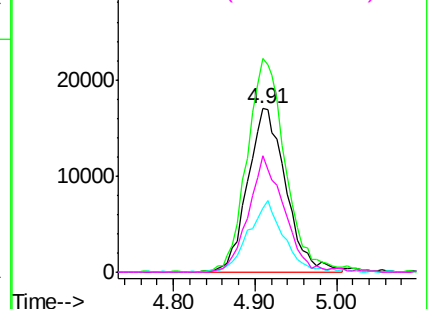


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#33

1,2-Dichloroethane-d4

Concen: 74.285 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008876.D

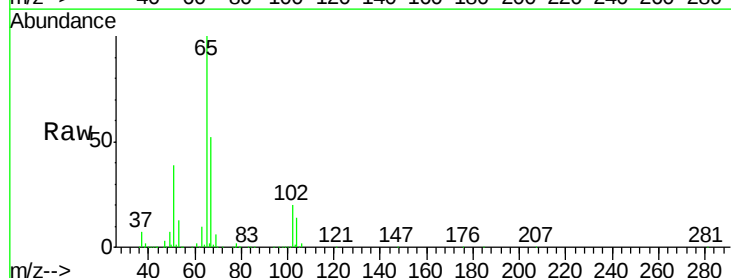
Acq: 28 Feb 2019 02:36

Tgt Ion: 65 Resp: 173707

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	101.4

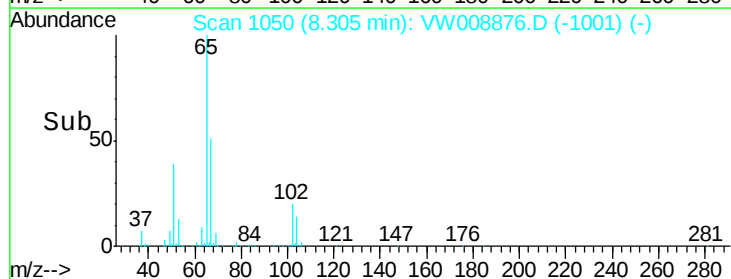
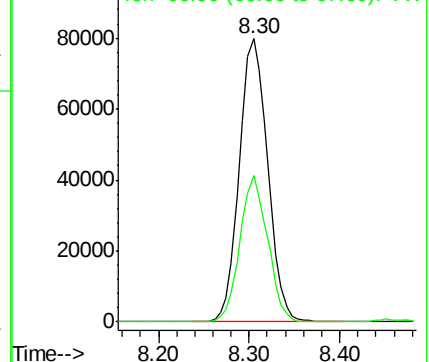
65 100

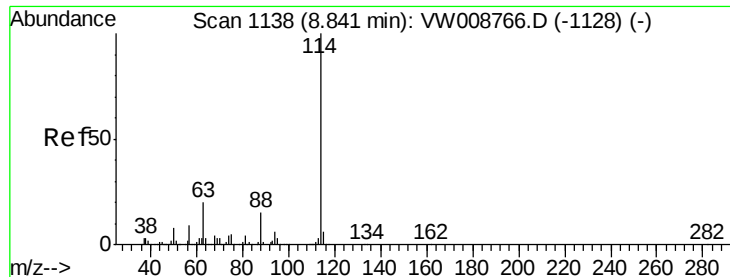
67 50.3 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

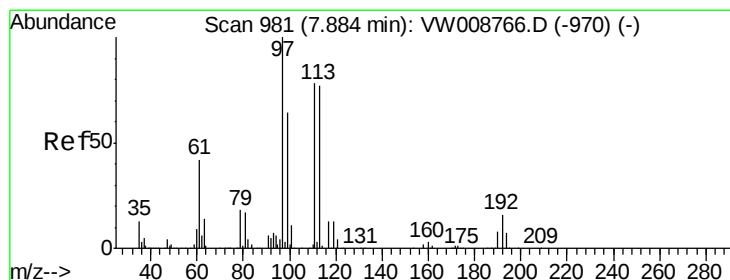
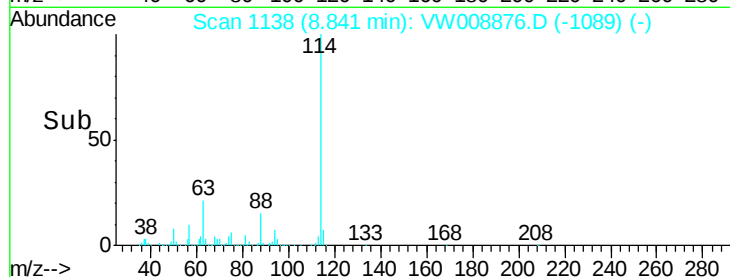
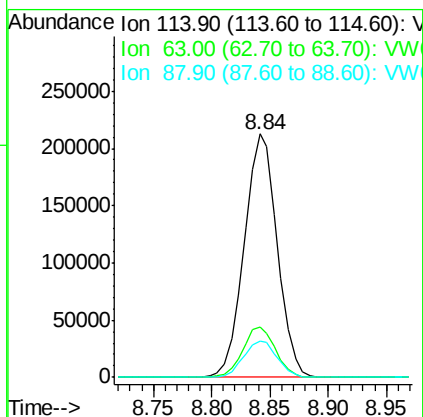
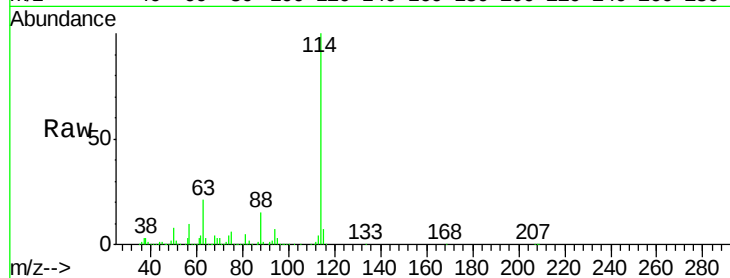




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008876.D
 Acq: 28 Feb 2019 02:36

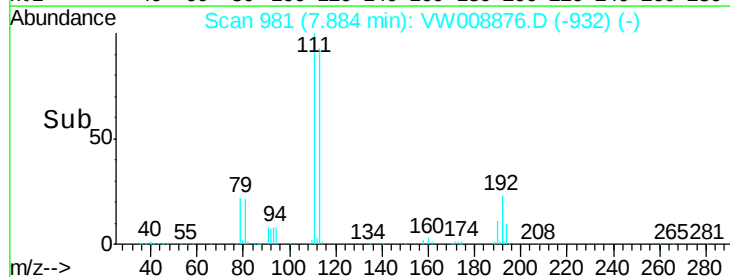
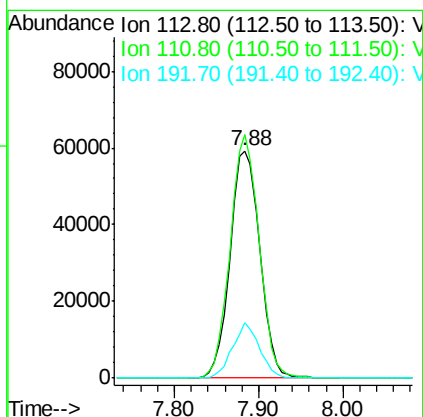
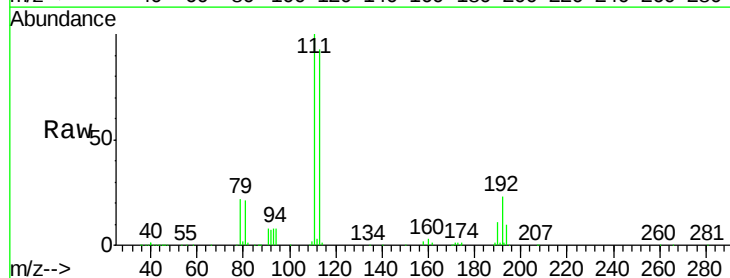
Instrument :
 MSVOA_W
 ClientSampleId :
 B-1(1.5-2.5)

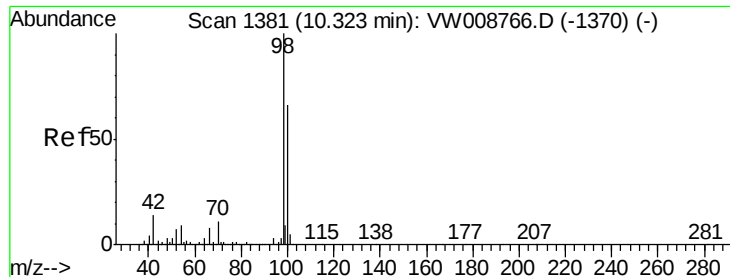
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	14.8	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 56.462 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008876.D
 Acq: 28 Feb 2019 02:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.9	122.9
192	22.0	17.1	25.7





#50

Toluene-d8

Concen: 41.547 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008876.D

Acq: 28 Feb 2019 02:36

Instrument :

MSVOA_W

ClientSampled :

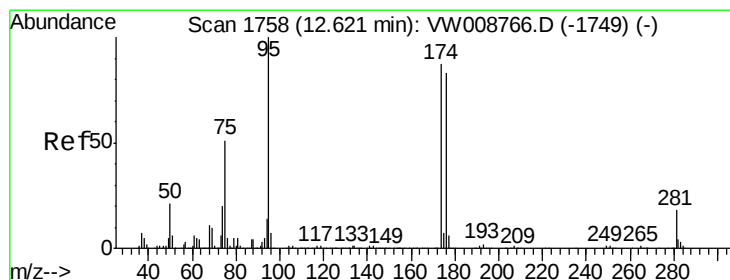
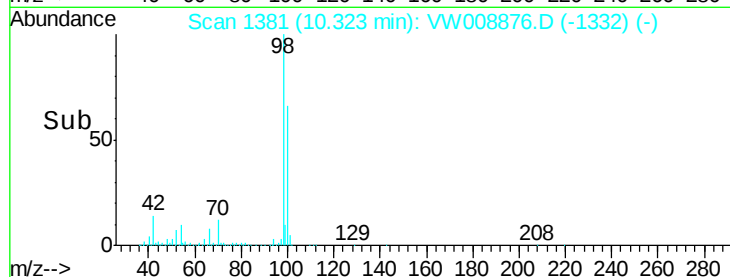
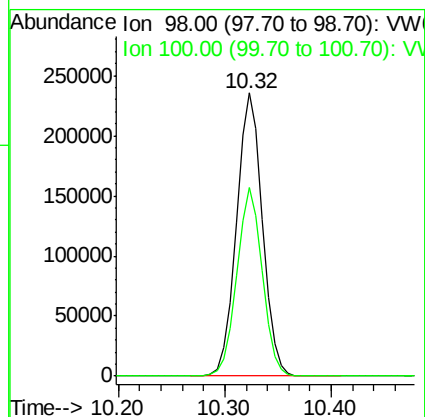
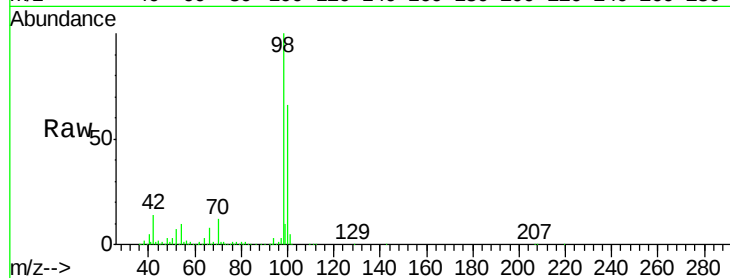
B-1(1.5-2.5)

Tot Ion: 98 Resp: 403079

Ion Ratio Lower Upper

98 100

100 65.3 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 23.345 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008876.D

Acq: 28 Feb 2019 02:36

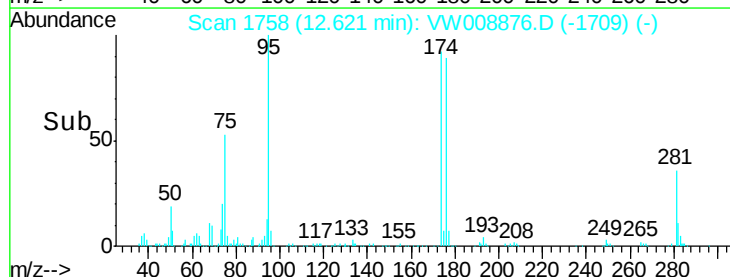
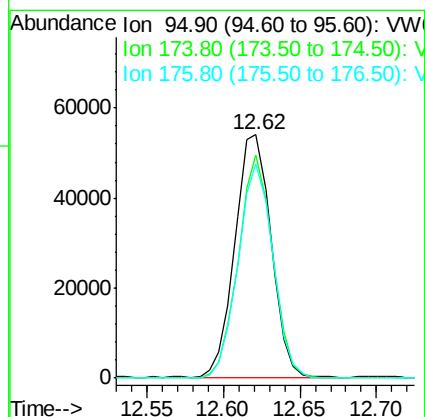
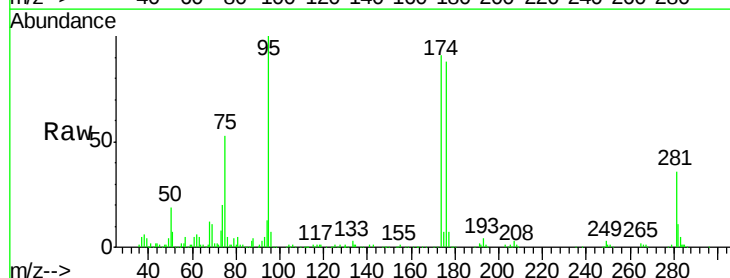
Tgt Ion: 95 Resp: 88680

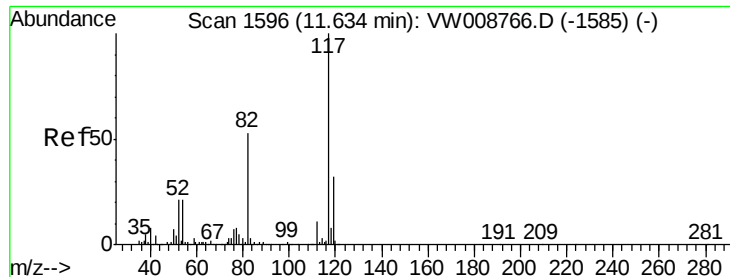
Ion Ratio Lower Upper

95 100

174 87.1 0.0 169.2

176 85.2 0.0 163.6

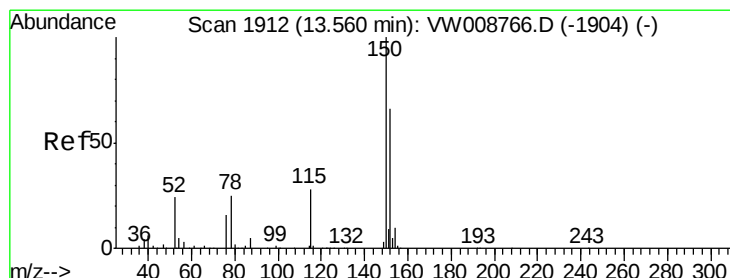
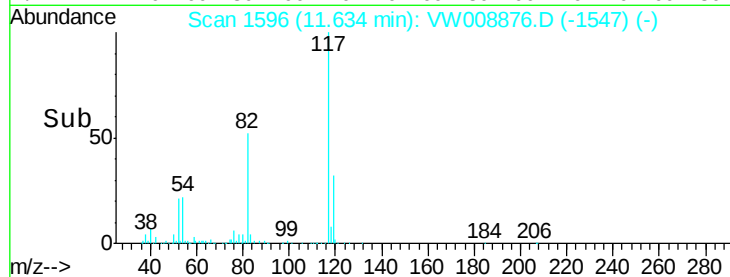
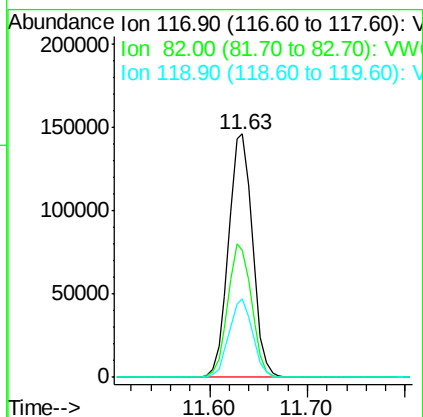
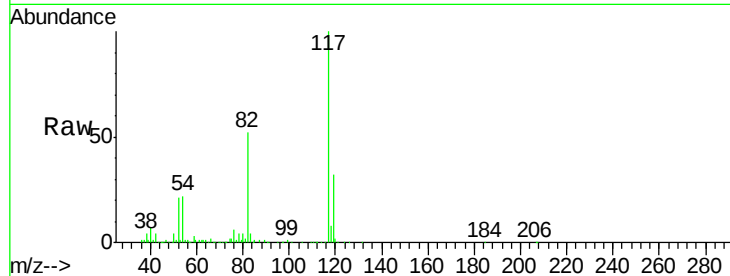




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008876.D
Acq: 28 Feb 2019 02:36

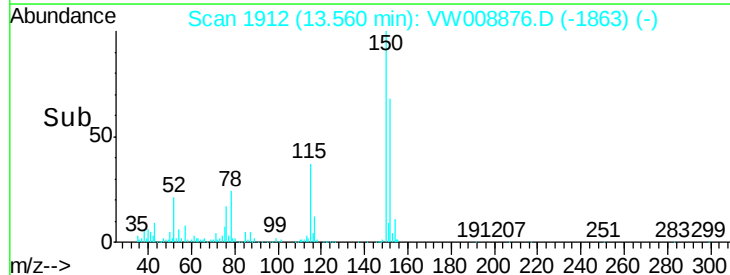
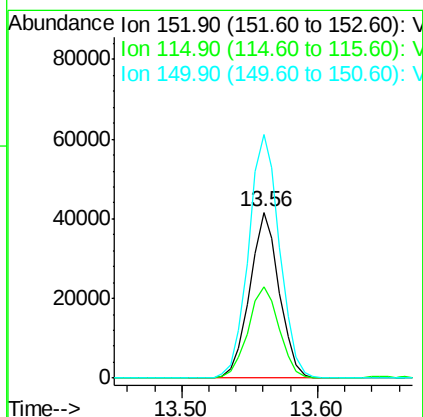
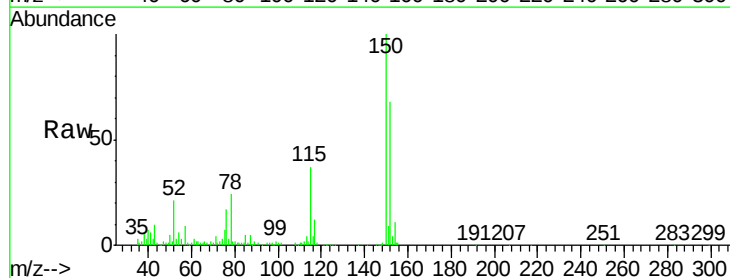
Instrument :
MSVOA_W
ClientSampleId :
B-1(1.5-2.5)

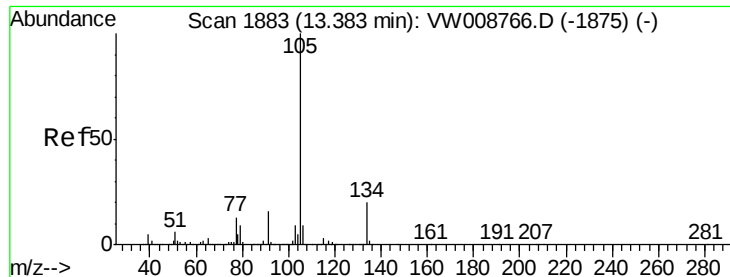
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.2	63.4
119	32.2	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008876.D
Acq: 28 Feb 2019 02:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.6	85.8
150	153.9	0.0	348.0





#85

sec-Butylbenzene

Concen: 2.938 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW008876.D

Acq: 28 Feb 2019 02:36

Instrument :

MSVOA_W

ClientSampleId :

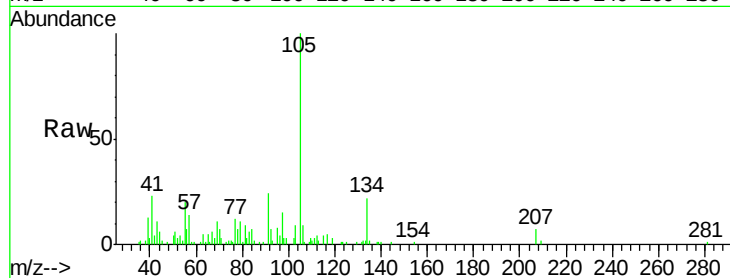
B-1(1.5-2.5)

Tot Ion:105 Resp: 13816

Ion Ratio Lower Upper

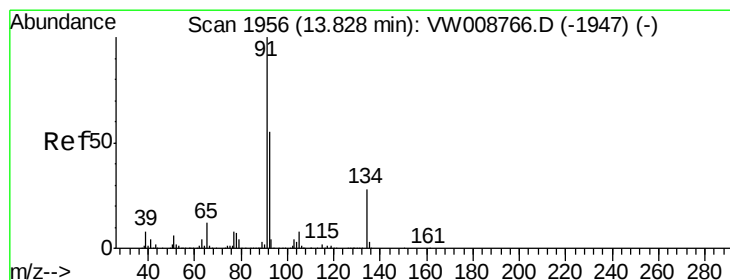
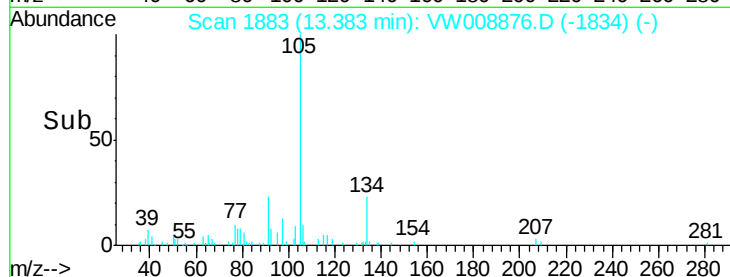
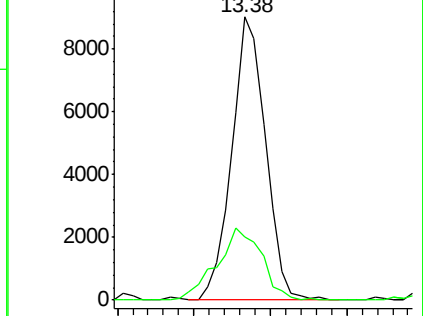
105 100

134 33.8 10.4 31.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 3.845 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008876.D

Acq: 28 Feb 2019 02:36

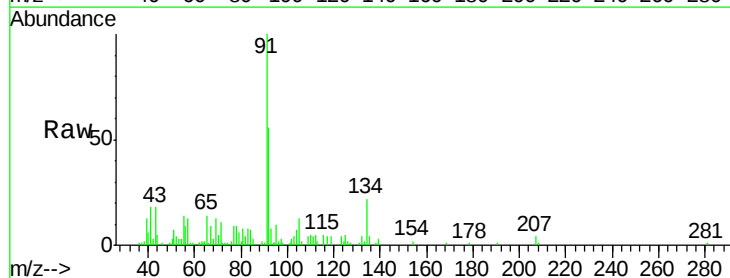
Tgt Ion: 91 Resp: 15527

Ion Ratio Lower Upper

91 100

92 49.6 26.8 80.4

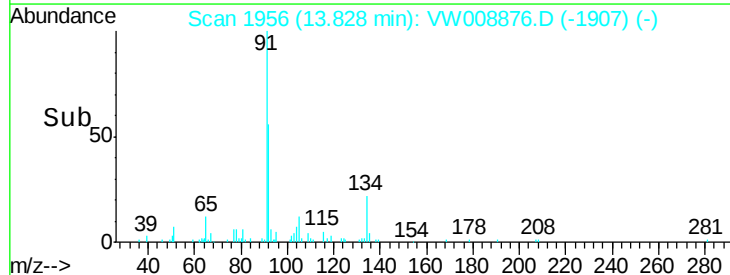
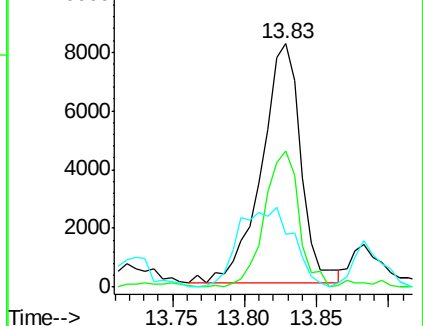
134 45.7 13.5 40.4#

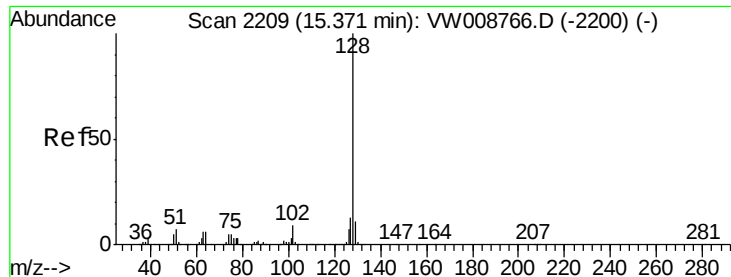


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 25.152 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW008876.D

Acq: 28 Feb 2019 02:36

Instrument :

MSVOA_W

ClientSampleId :

B-1(1.5-2.5)

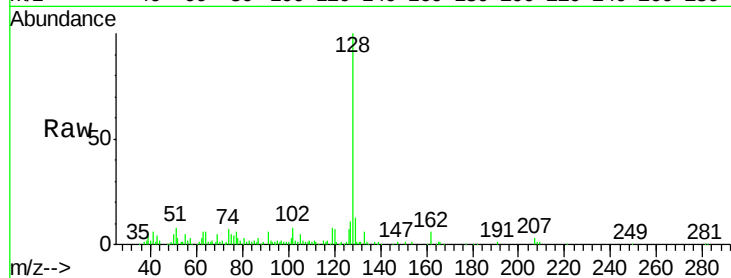
Tot Ion:128 Resp: 58666

Ion Ratio Lower Upper

128 100

127 16.0 10.8 16.2

129 12.8 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

