

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008887.D
 Acq On : 28 Feb 2019 15:09
 Operator : SY/VA
 Sample : K1650-08
 Misc : 5.09G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-4(4-5)

Quant Time: Mar 01 07:52:29 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

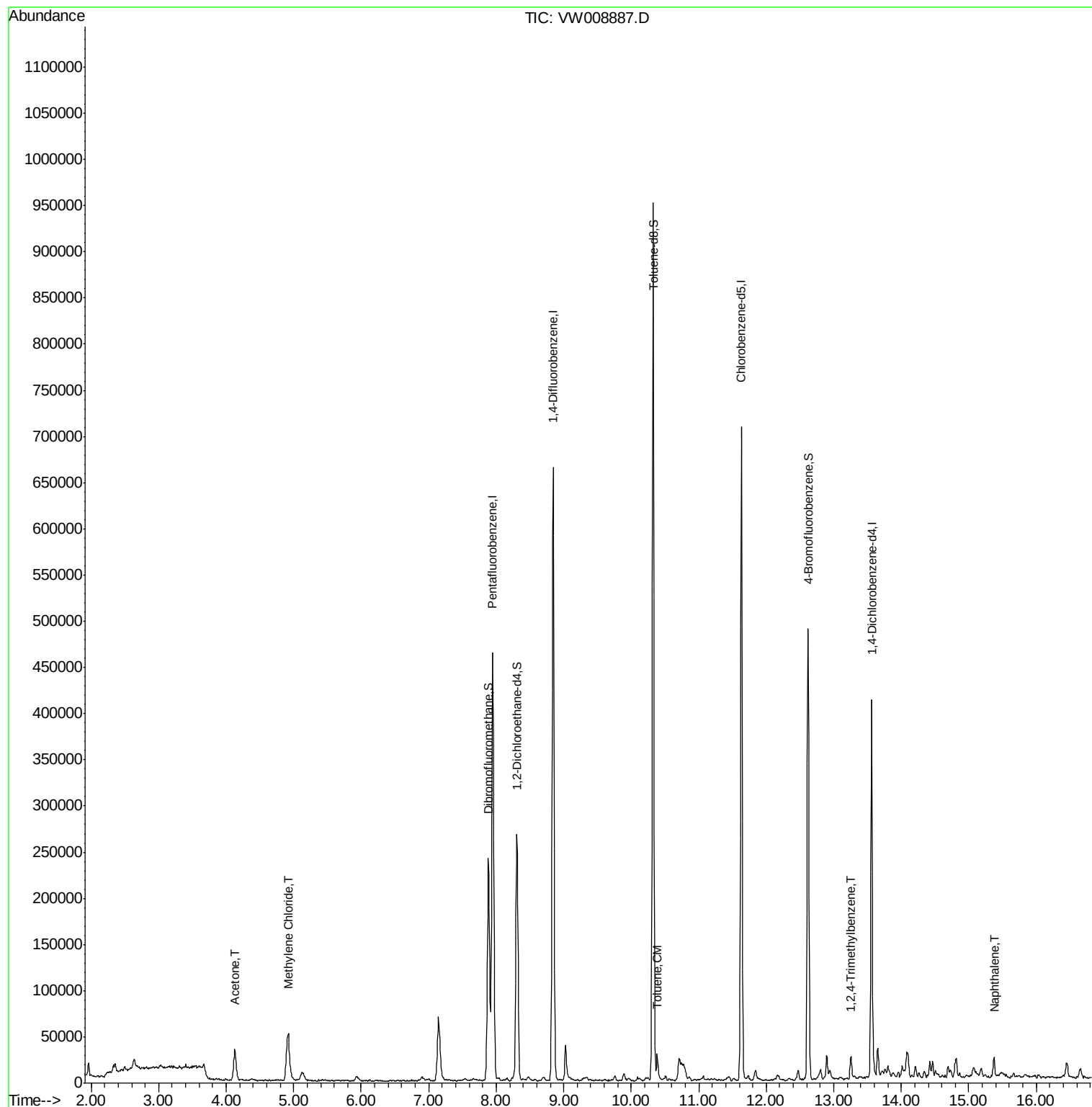
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	345618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	539666	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	377304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	103313	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	190629	58.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.62%	
35) Dibromofluoromethane	7.88	113	166106	51.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.52%	
50) Toluene-d8	10.32	98	592415	47.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.72%	
62) 4-Bromofluorobenzene	12.62	95	139765	28.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	57.08%	
Target Compounds						
16) Acetone	4.13	43	57498	76.524	ug/l	99
20) Methylene Chloride	4.92	84	37129	5.482	ug/l	99
52) Toluene	10.38	92	10864	1.116	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	13299	2.087	ug/l	95
95) Naphthalene	15.38	128	17365	4.575	ug/l	98

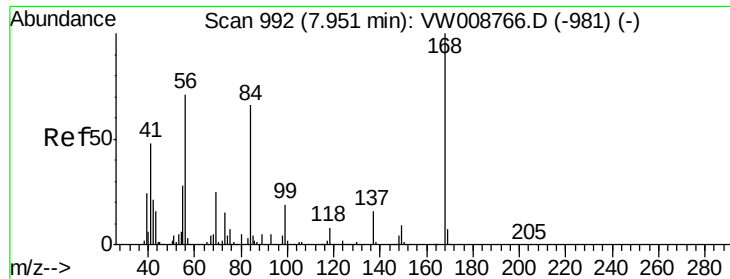
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022819\
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MSVOA_W
ClientSampleId :
B-4(4-5)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
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: VW008887.D

Acq: 28 Feb 2019 15:09

Instrument :

MSVOA_W

ClientSampleId :

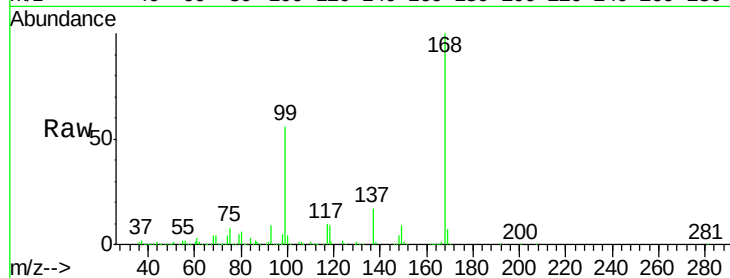
B-4(4-5)

Tot Ion:168 Resp: 345618

Ion Ratio Lower Upper

168 100

99 56.1 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

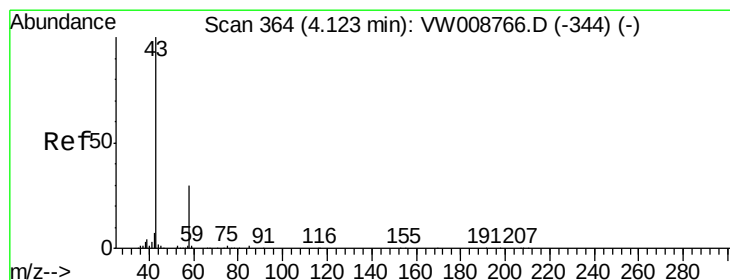
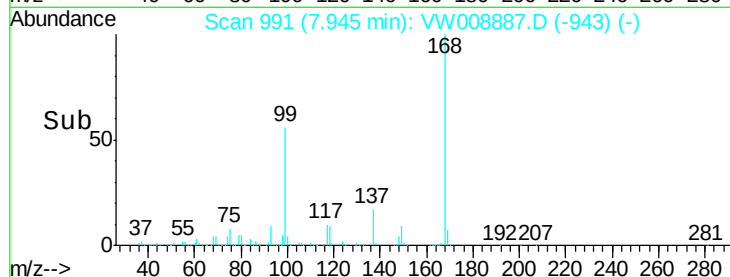
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 76.524 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008887.D

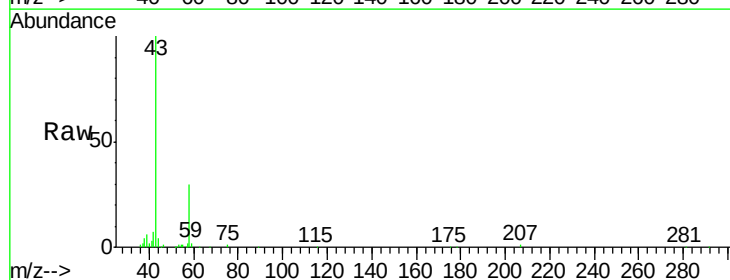
Acq: 28 Feb 2019 15:09

Tgt Ion: 43 Resp: 57498

Ion Ratio Lower Upper

43 100

58 30.3 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

25000

20000

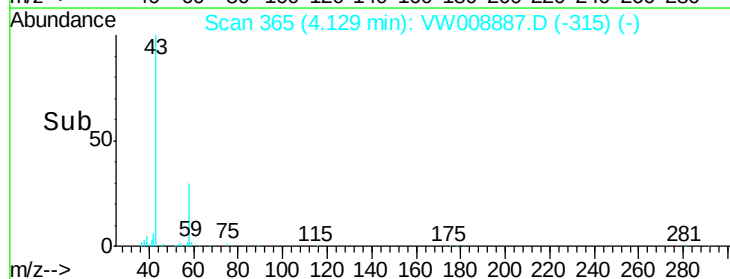
15000

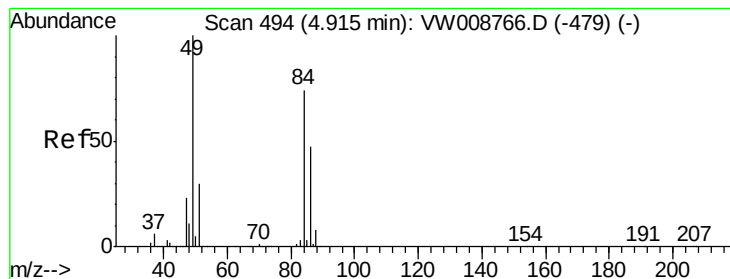
10000

5000

0

Time-->





#20

Methylene Chloride

Concen: 5.482 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW008887.D

Acq: 28 Feb 2019 15:09

Instrument :

MSVOA_W

ClientSampleId :

B-4(4-5)

Tot Ion: 84 Resp: 37129

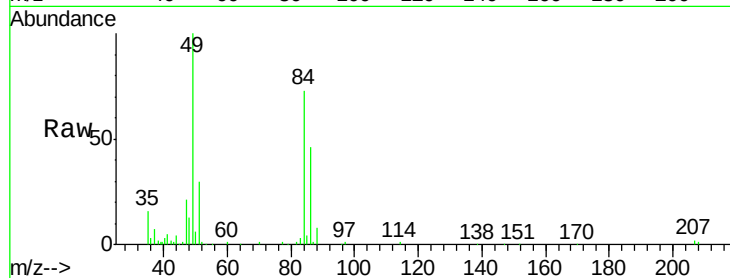
Ion Ratio Lower Upper

84 100

49 136.1 108.2 162.2

51 41.0 32.7 49.1

86 62.1 50.3 75.5

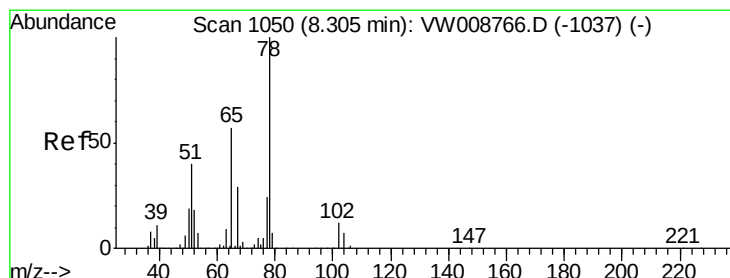
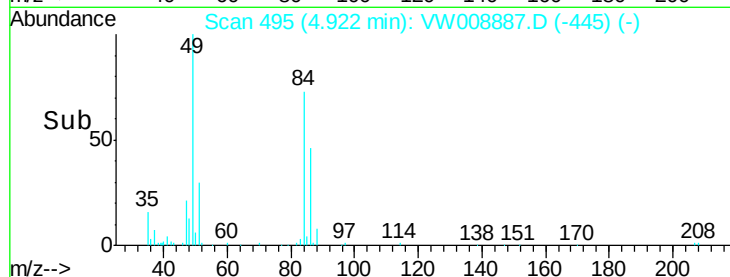
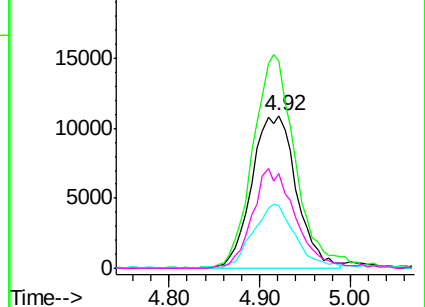


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 58.807 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008887.D

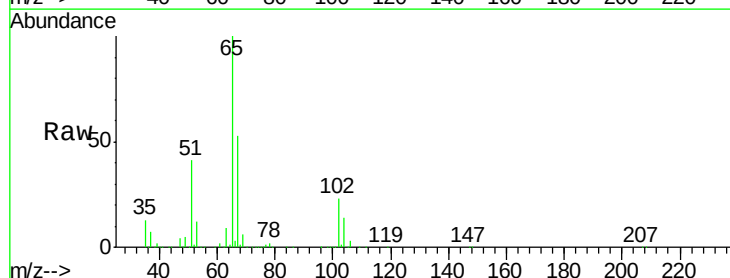
Acq: 28 Feb 2019 15:09

Tgt Ion: 65 Resp: 190629

Ion Ratio Lower Upper

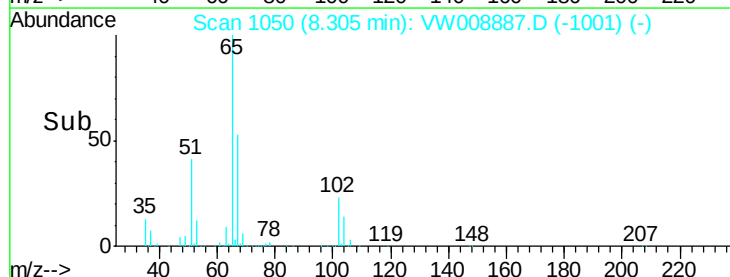
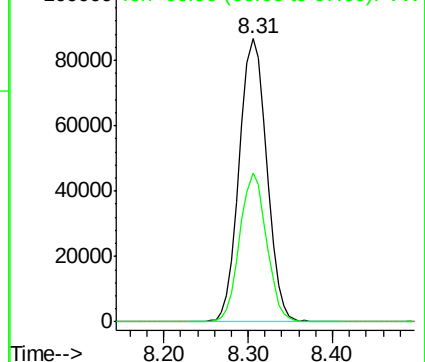
65 100

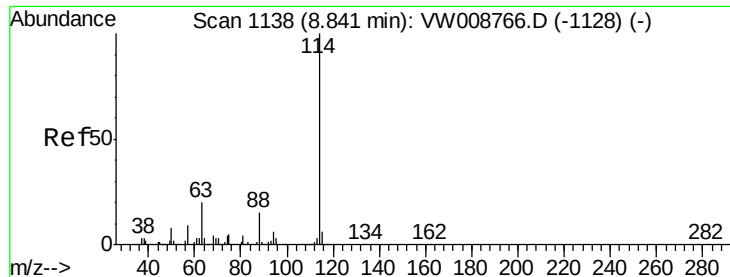
67 51.1 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

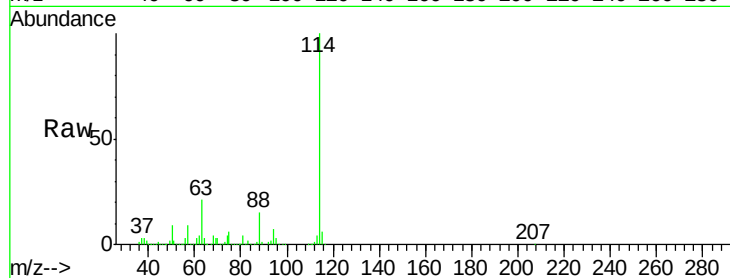




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008887.D
 Acq: 28 Feb 2019 15:09

Instrument :
 MSVOA_W
 ClientSampleId :
 B-4(4-5)

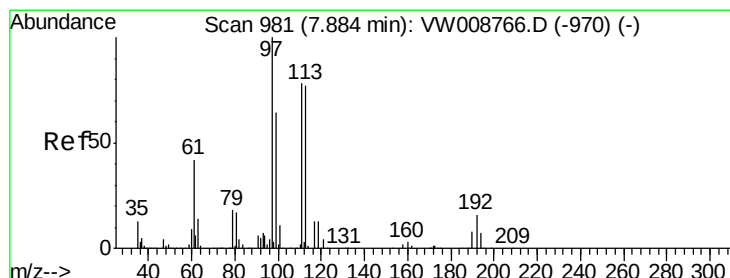
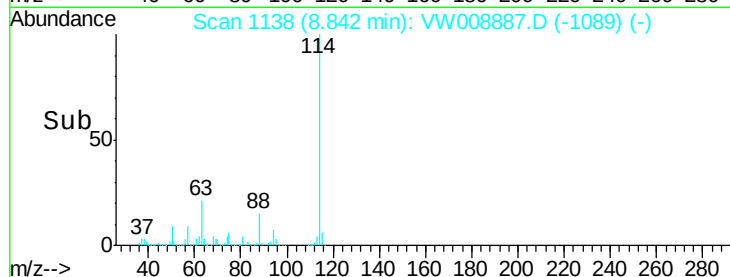
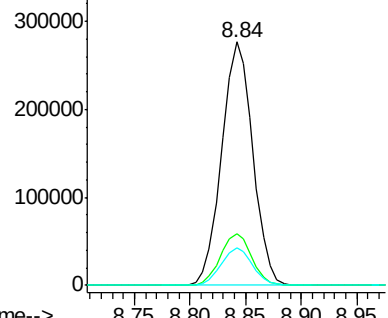
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.8
88	15.3	0.0	30.4



Abundance Ion 113.90 (113.60 to 114.60): V

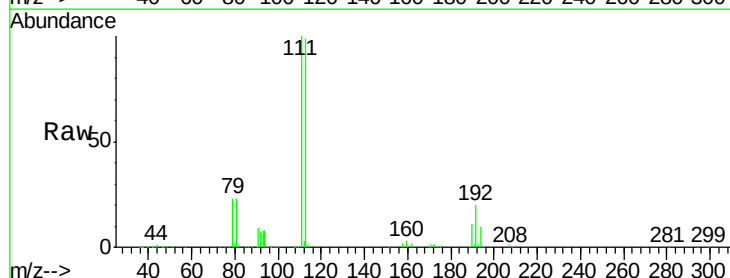
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 51.264 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008887.D
 Acq: 28 Feb 2019 15:09

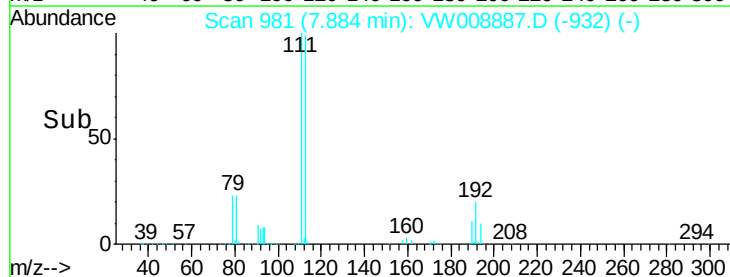
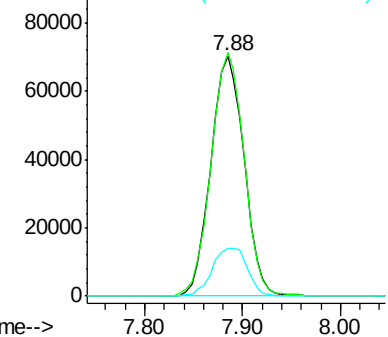
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.9	122.9
192	21.3	17.1	25.7

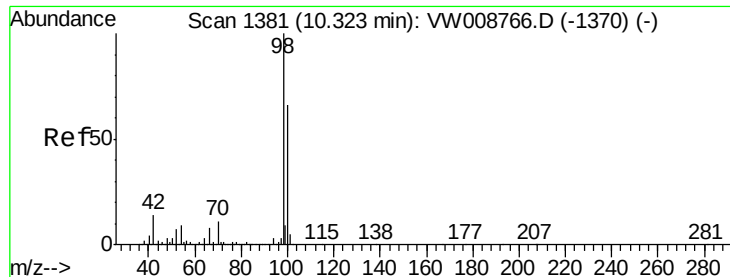


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 47.362 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008887.D

Acq: 28 Feb 2019 15:09

Instrument :

MSVOA_W

ClientSampleId :

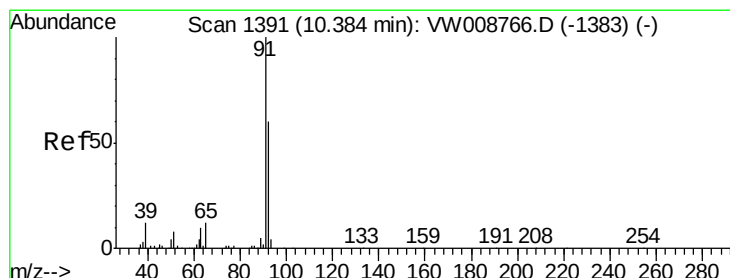
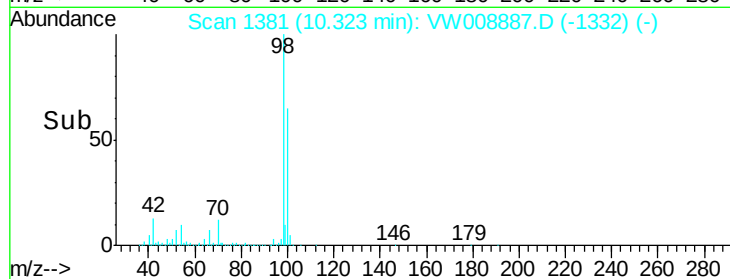
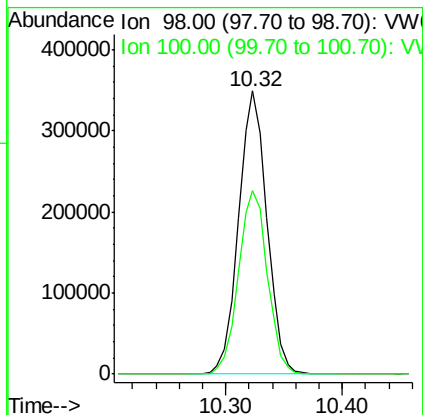
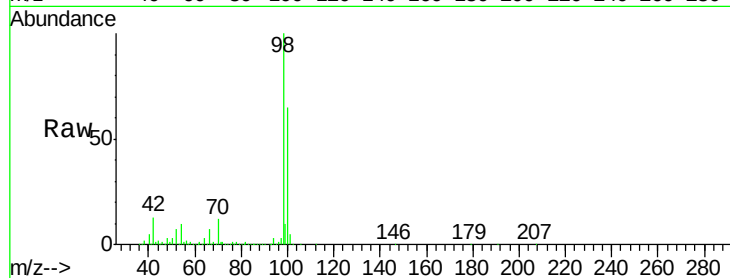
B-4(4-5)

Tot Ion: 98 Resp: 592415

Ion Ratio Lower Upper

98 100

100 66.2 52.4 78.6



#52

Toluene

Concen: 1.116 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008887.D

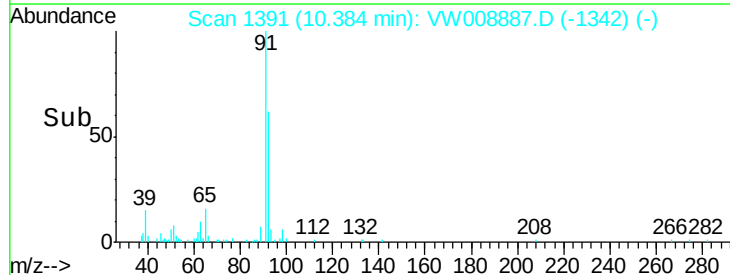
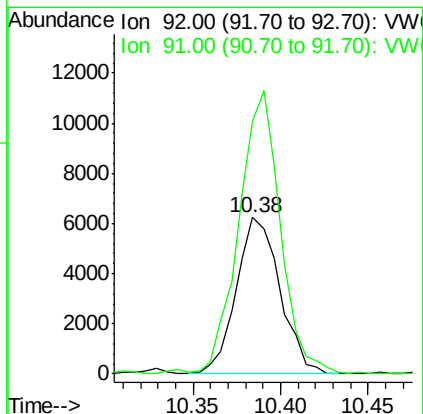
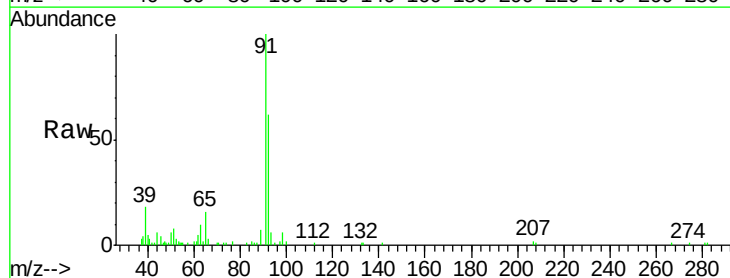
Acq: 28 Feb 2019 15:09

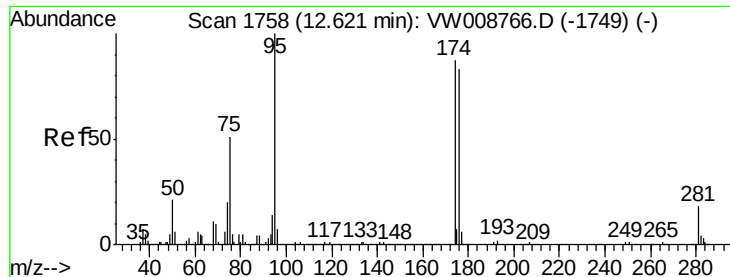
Tgt Ion: 92 Resp: 10864

Ion Ratio Lower Upper

92 100

91 173.1 136.9 205.3

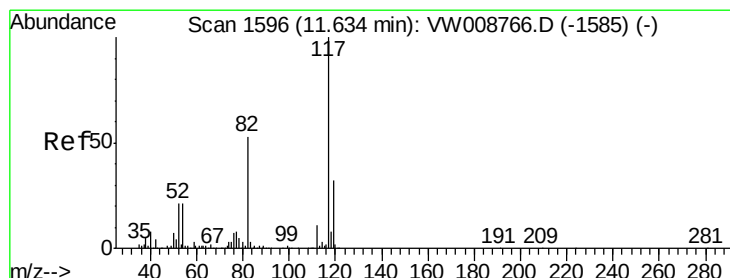
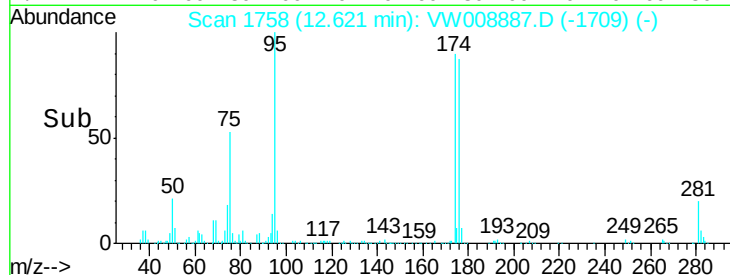
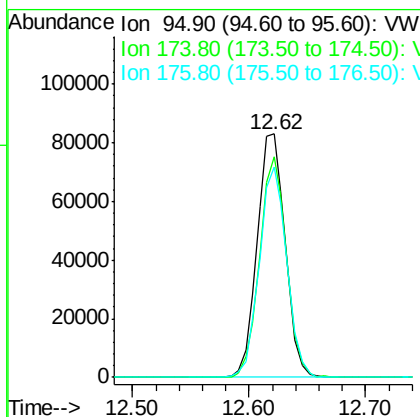
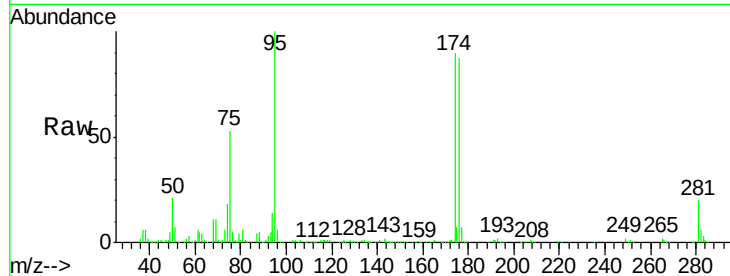




#62
4-Bromofluorobenzene
Concen: 28.538 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008887.D
Acq: 28 Feb 2019 15:09

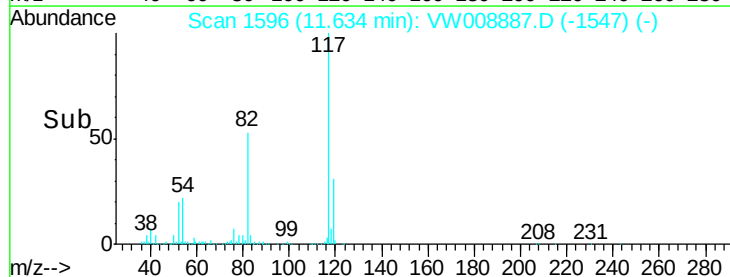
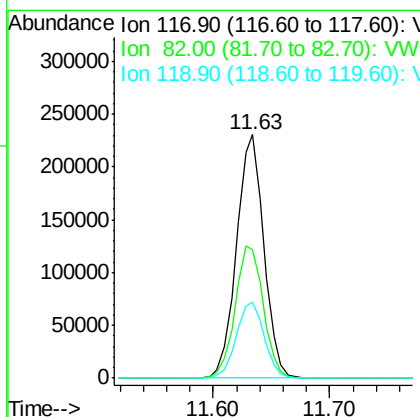
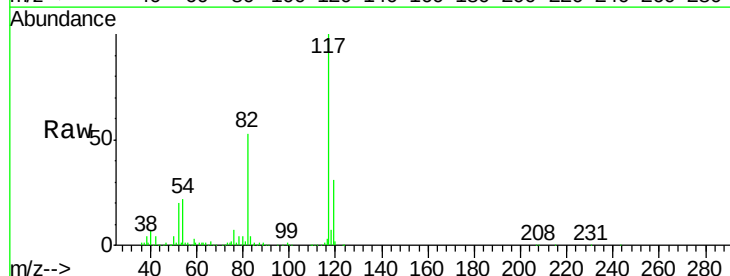
Instrument :
MSVOA_W
ClientSampled :
B-4(4-5)

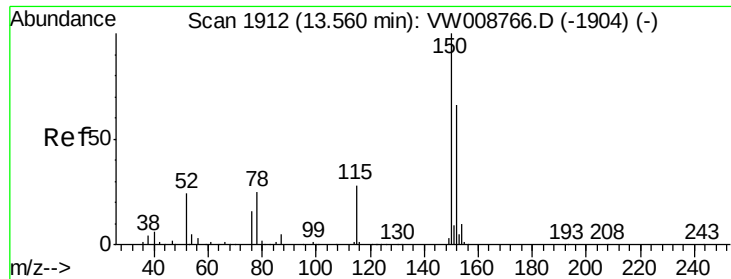
Tot Ion: 95 Resp: 139765
Ion Ratio Lower Upper
95 100
174 86.4 0.0 169.2
176 84.4 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008887.D
Acq: 28 Feb 2019 15:09

Tgt Ion: 117 Resp: 377304
Ion Ratio Lower Upper
117 100
82 52.9 42.2 63.4
119 31.2 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: VW008887.D

Acq: 28 Feb 2019 15:09

Instrument :

MSVOA_W

ClientSampleId :

B-4(4-5)

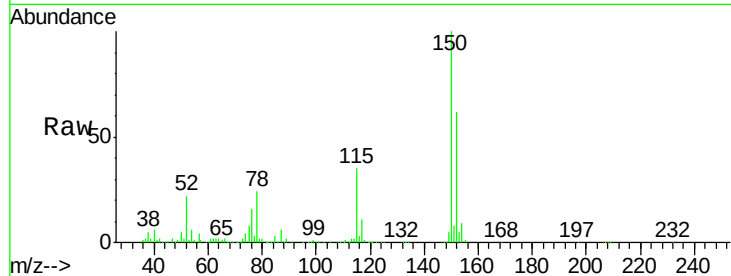
Tot Ion:152 Resp: 103313

Ion Ratio Lower Upper

152 100

115 56.0 28.6 85.8

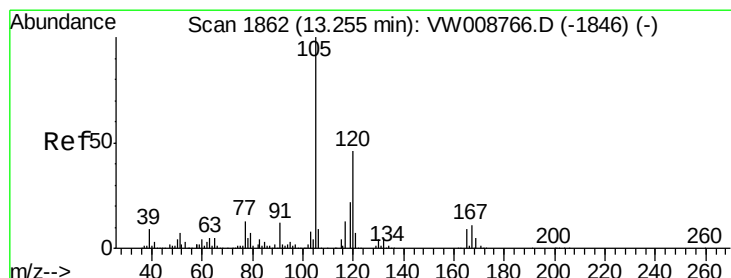
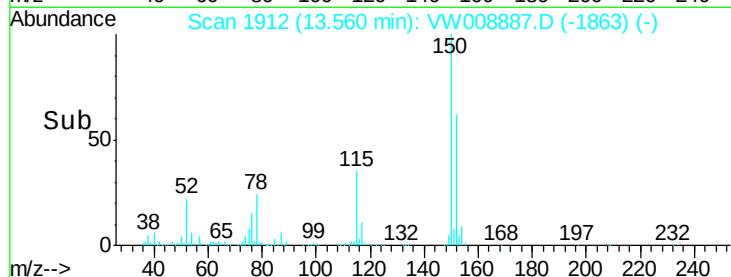
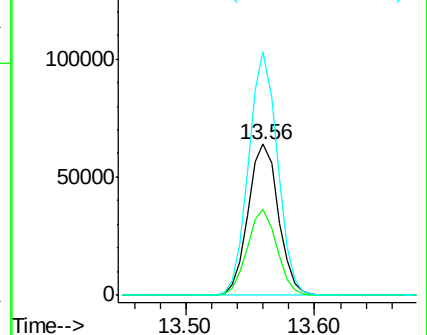
150 153.8 0.0 348.0



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



#84

1,2,4-Trimethylbenzene

Concen: 2.087 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VW008887.D

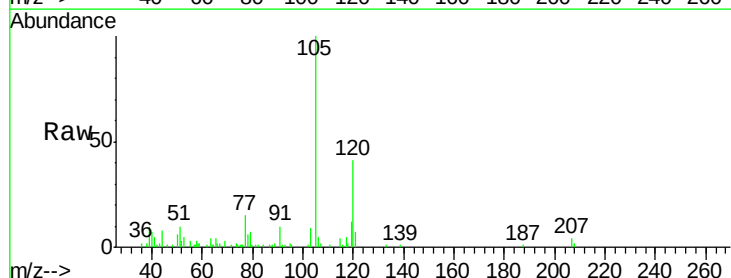
Acq: 28 Feb 2019 15:09

Tgt Ion:105 Resp: 13299

Ion Ratio Lower Upper

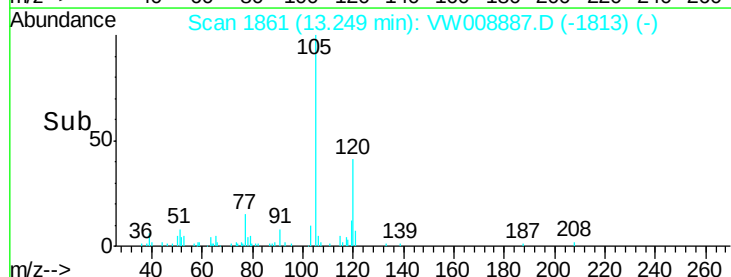
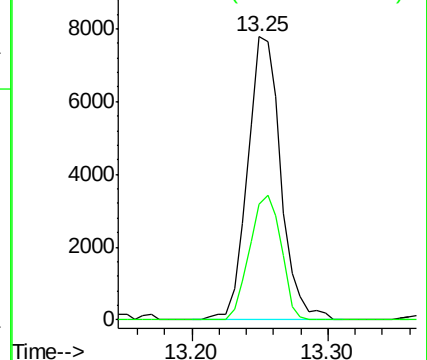
105 100

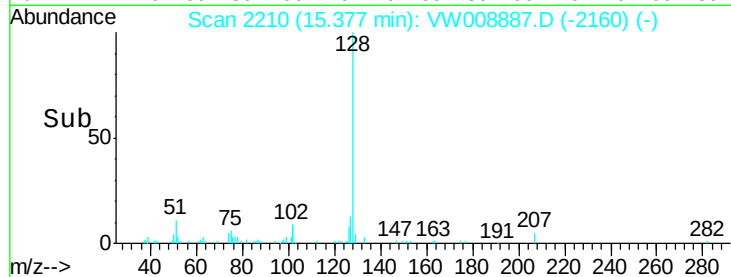
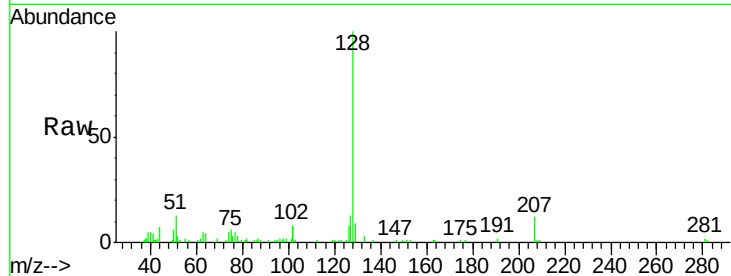
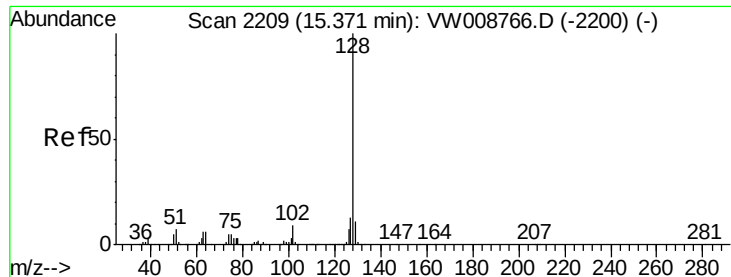
120 42.0 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 4.575 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW008887.D

Acq: 28 Feb 2019 15:09

Instrument :

MSVOA_W

ClientSampleId :

B-4(4-5)

Tot Ion:128 Resp: 17365

Ion Ratio Lower Upper

128 100

127 14.3 10.8 16.2

129 11.6 8.7 13.1

