

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120518\
 Data File : VW007260.D
 Acq On : 06 Dec 2018 05:48
 Operator : SY/AP
 Sample : J6194-01
 Misc : 7.2G/5ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-02-120418-A

Quant Time: Dec 06 07:39:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

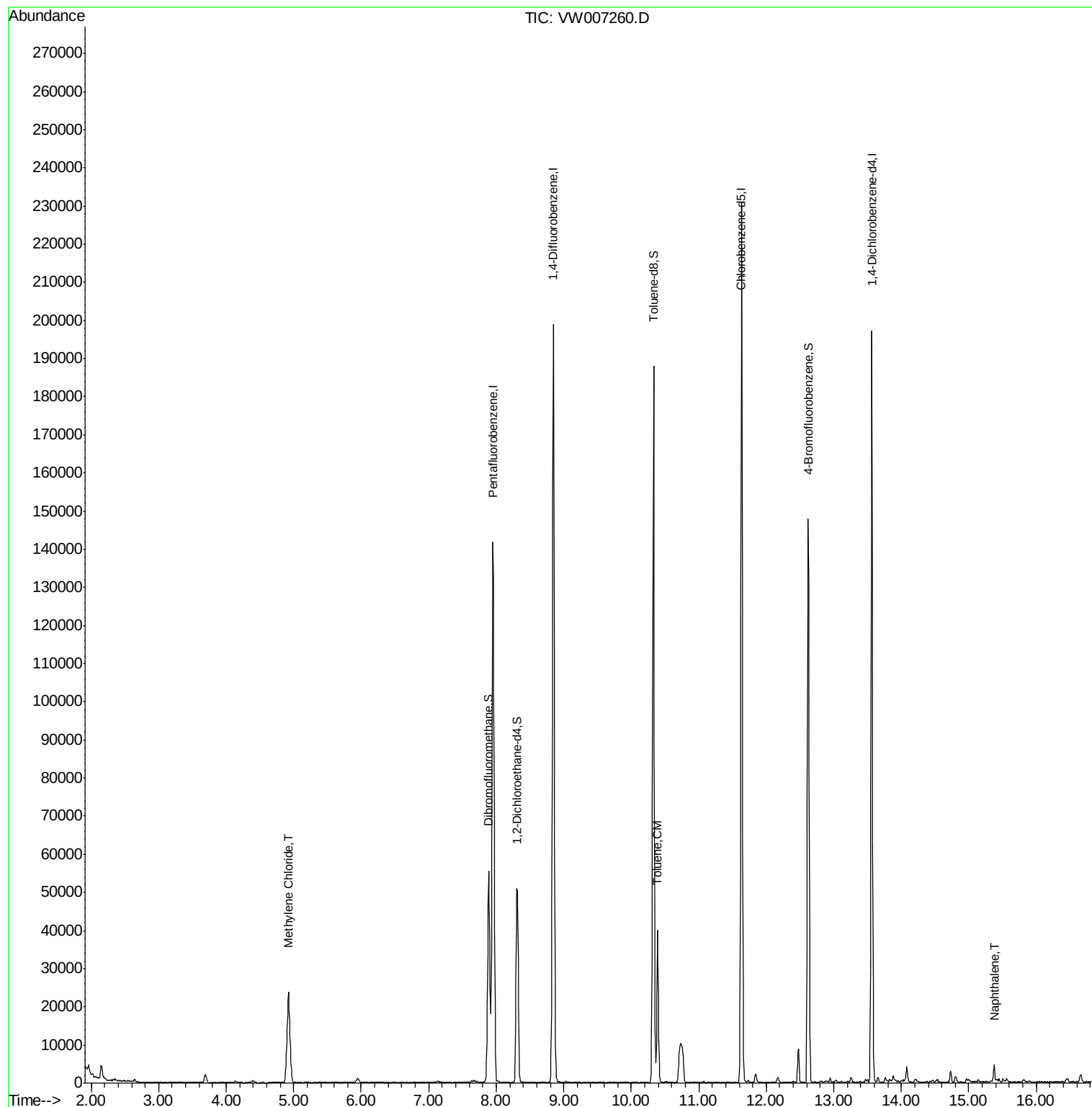
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	104979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	176382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	131201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	53052	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	42906	43.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.80%	
35) Dibromofluoromethane	7.88	113	40824	40.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.84%	
50) Toluene-d8	10.33	98	128392	28.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	57.72%	
62) 4-Bromofluorobenzene	12.62	95	48898	29.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	58.24%	
Target Compounds						
20) Methylene Chloride	4.93	84	18146	11.564	ug/l	97
52) Toluene	10.39	92	16421	5.016	ug/l	100
95) Naphthalene	15.38	128	3900	1.897	ug/l	98

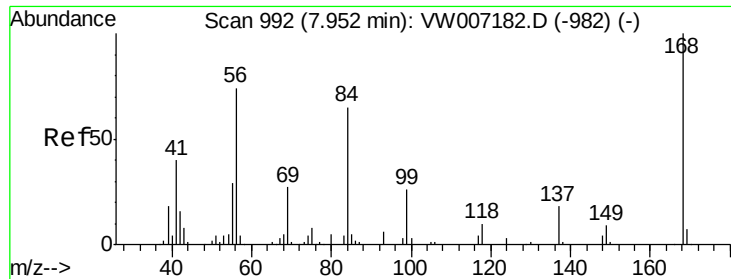
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007260.D

Acq: 06 Dec 2018 05:48

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ClientSampleId :

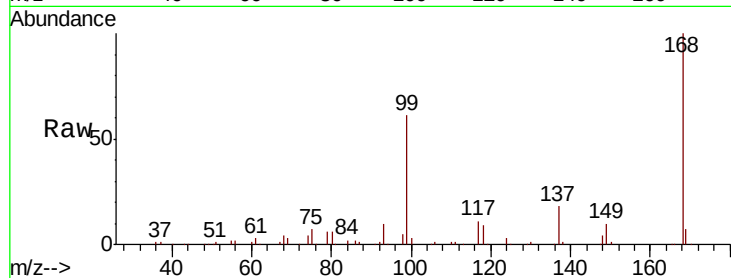
OK-02-120418-A

Tgt Ion:168 Resp: 104979

Ion Ratio Lower Upper

168 100

99 61.4 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

30000

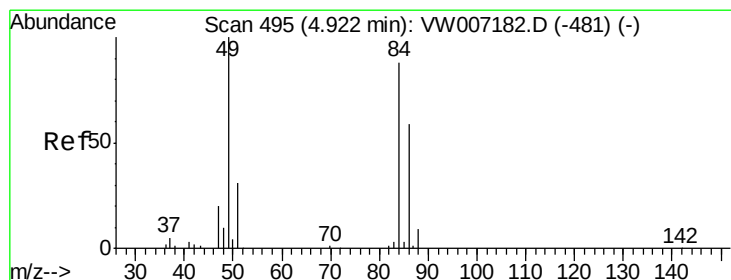
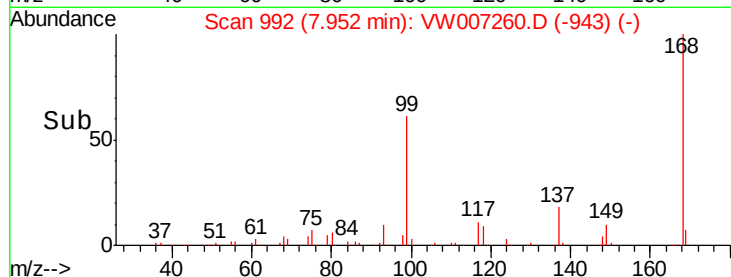
20000

10000

0

Time-->

7.90 8.00 8.10



#20

Methylene Chloride

Concen: 11.564 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW007260.D

Acq: 06 Dec 2018 05:48

Tgt Ion: 84 Resp: 18146

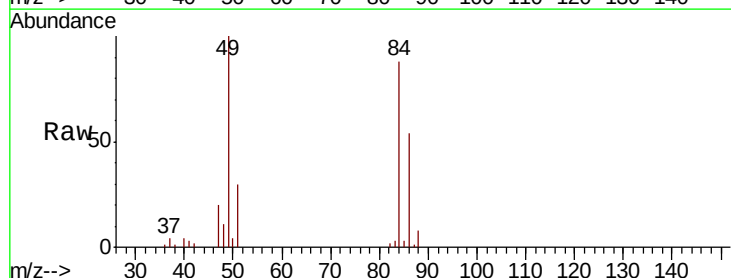
Ion Ratio Lower Upper

84 100

49 114.1 90.6 135.8

51 34.5 27.6 41.4

86 61.1 53.7 80.5



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

10000

8000

6000

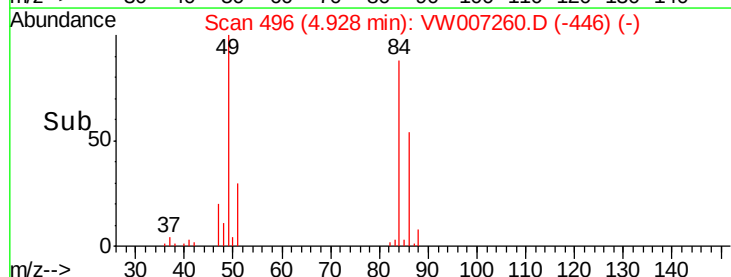
4000

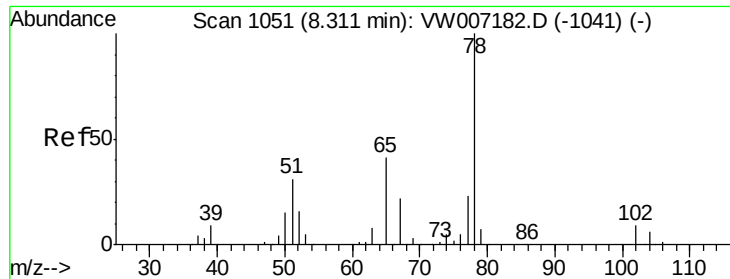
2000

0

Time-->

4.80 4.90 5.00

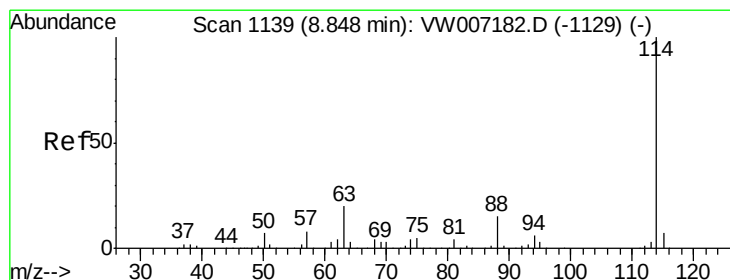
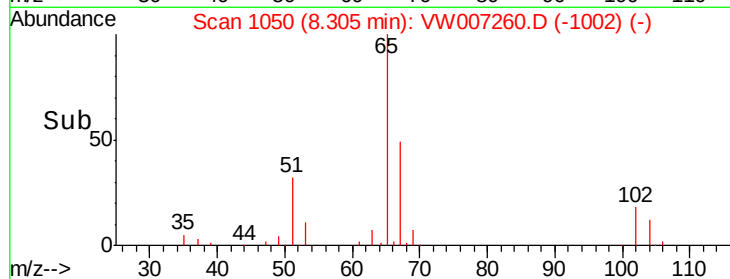
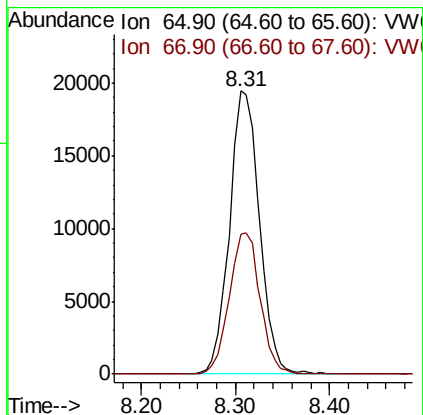
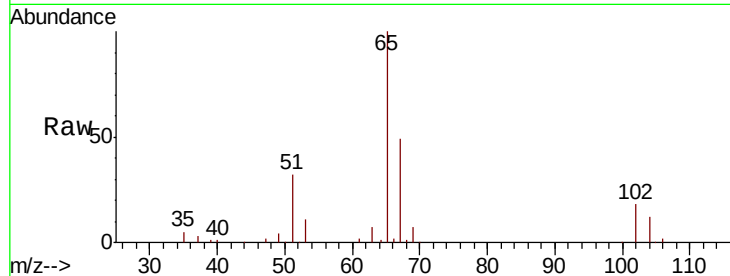




#33
 1,2-Dichloroethane-d4
 Concen: 43.898 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW007260.D
 Acq: 06 Dec 2018 05:48

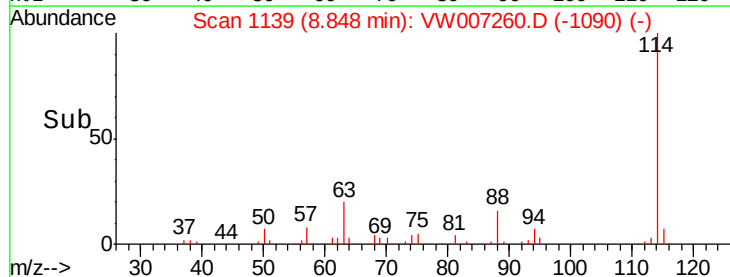
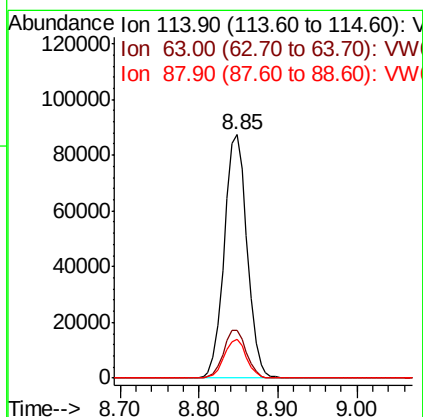
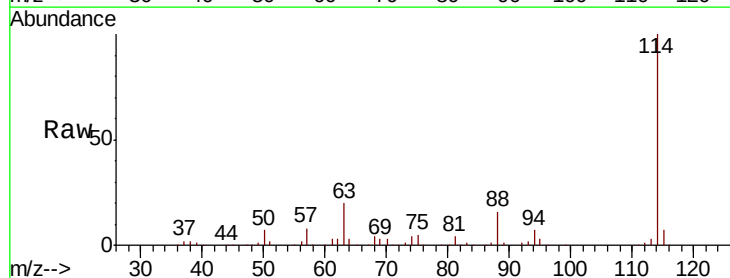
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-02-120418-A

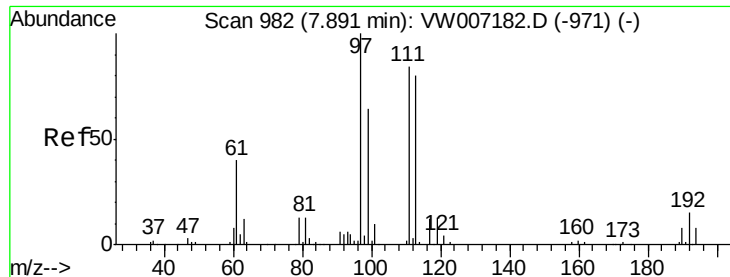
Tgt Ion: 65 Resp: 42906
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW007260.D
 Acq: 06 Dec 2018 05:48

Tgt Ion: 114 Resp: 176382
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.2
 88 15.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 40.421 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007260.D

Acq: 06 Dec 2018 05:48

Instrument :

MSVOA_W

ClientSampleId :

OK-02-120418-A

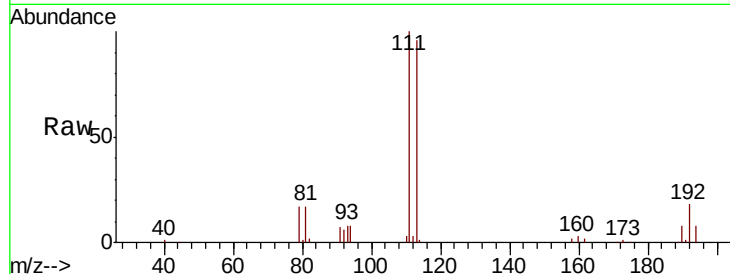
Tgt Ion:113 Resp: 40824

Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.4

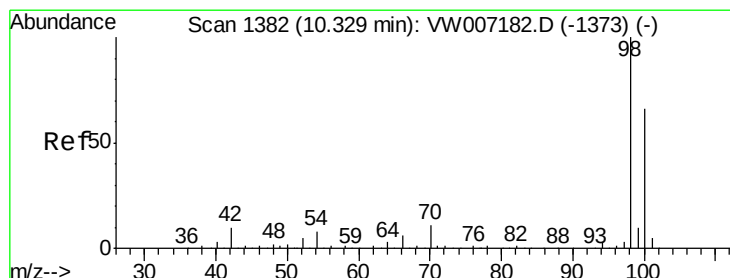
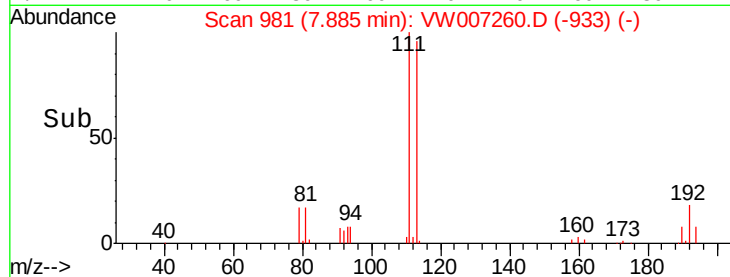
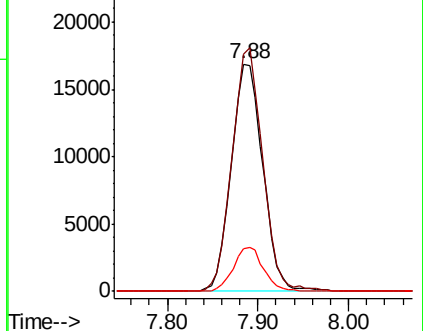
192 18.4 14.4 21.6



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: 28.860 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW007260.D

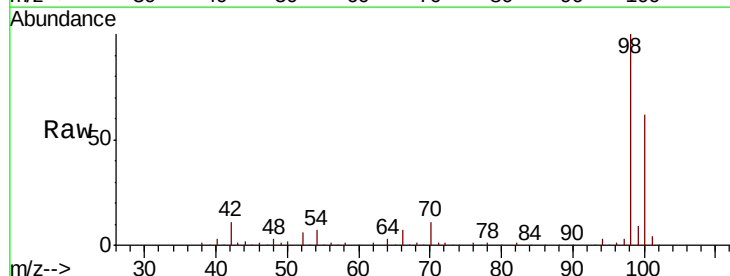
Acq: 06 Dec 2018 05:48

Tgt Ion: 98 Resp: 128392

Ion Ratio Lower Upper

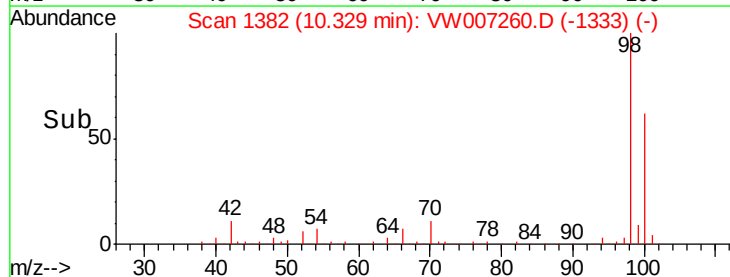
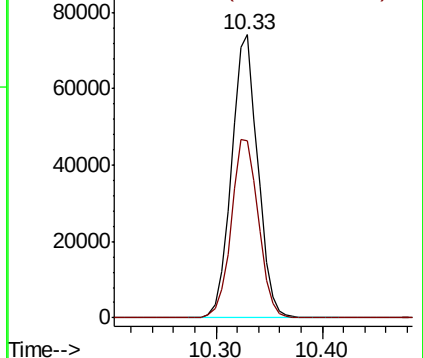
98 100

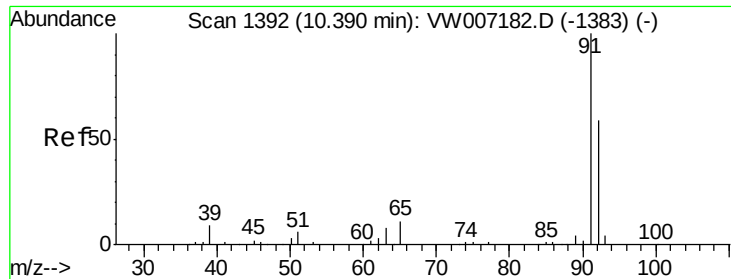
100 65.1 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 5.016 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007260.D

Acq: 06 Dec 2018 05:48

Instrument :

MSVOA_W

ClientSampleId :

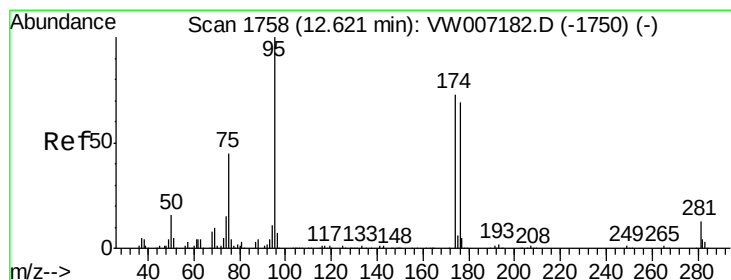
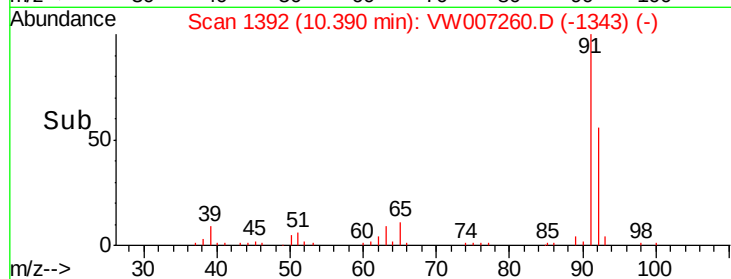
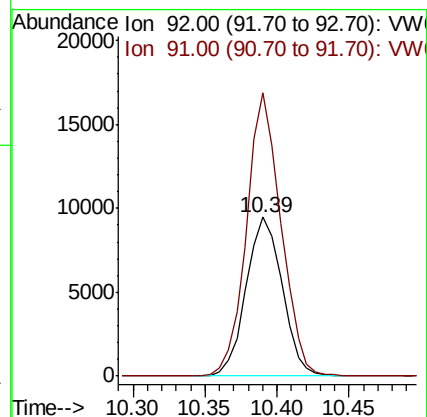
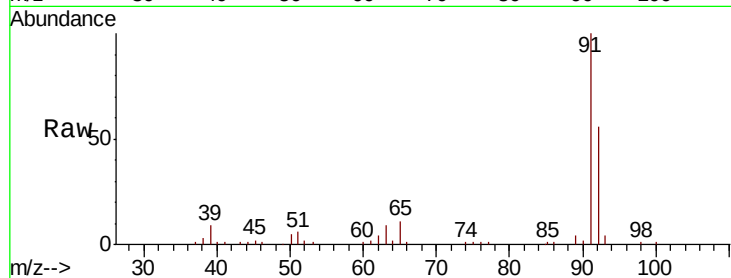
OK-02-120418-A

Tgt Ion: 92 Resp: 16421

Ion Ratio Lower Upper

92 100

91 169.6 136.0 204.0



#62

4-Bromofluorobenzene

Concen: 29.120 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007260.D

Acq: 06 Dec 2018 05:48

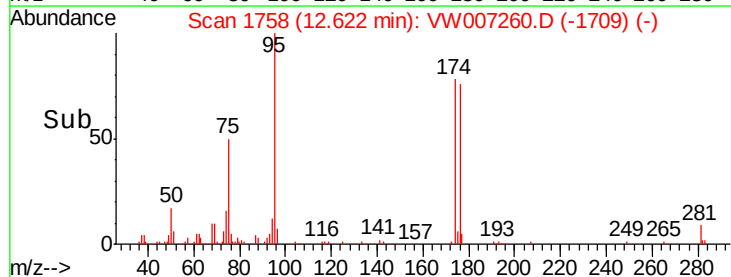
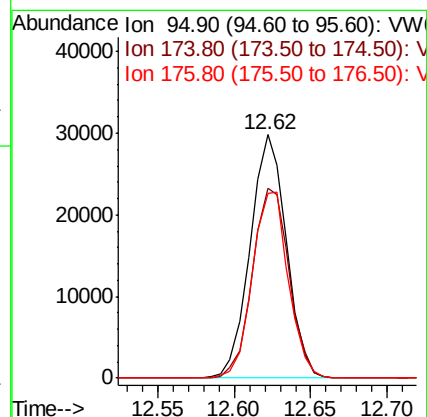
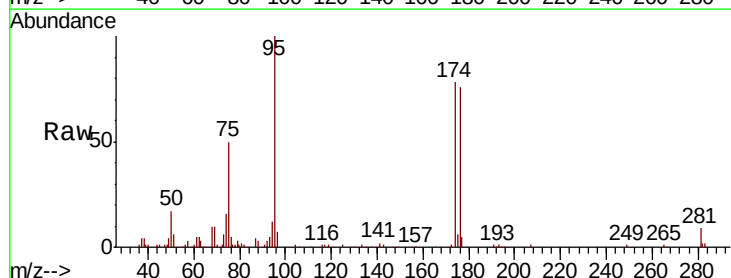
Tgt Ion: 95 Resp: 48898

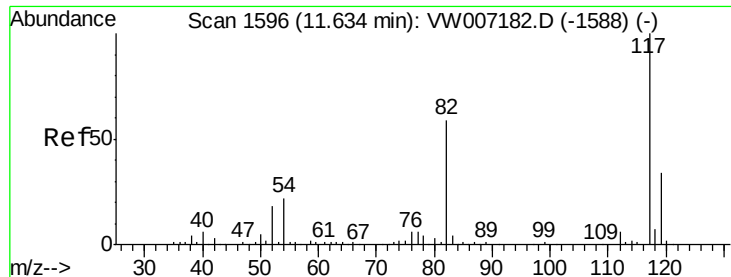
Ion Ratio Lower Upper

95 100

174 79.3 0.0 148.0

176 76.0 0.0 139.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW007260.D

Acq: 06 Dec 2018 05:48

Instrument :

MSVOA_W

ClientSampleId :

OK-02-120418-A

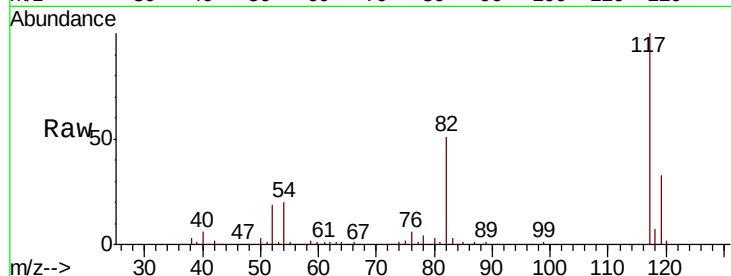
Tgt Ion:117 Resp: 131201

Ion Ratio Lower Upper

117 100

82 51.2 47.4 71.2

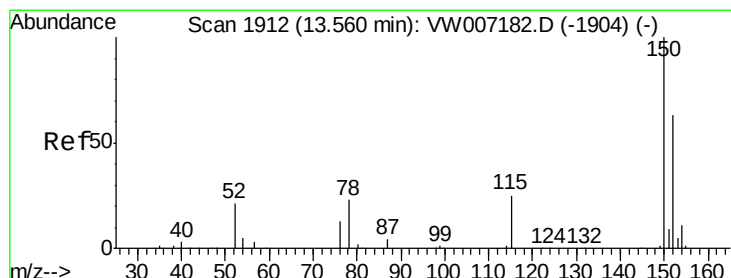
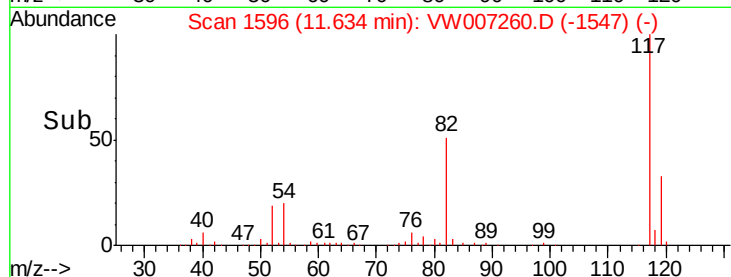
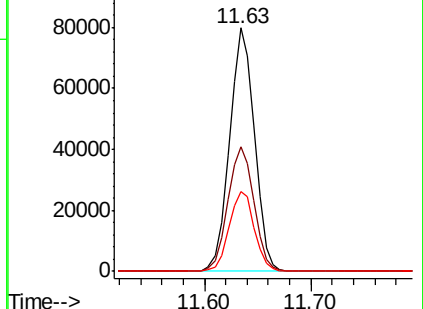
119 33.0 26.8 40.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007260.D

Acq: 06 Dec 2018 05:48

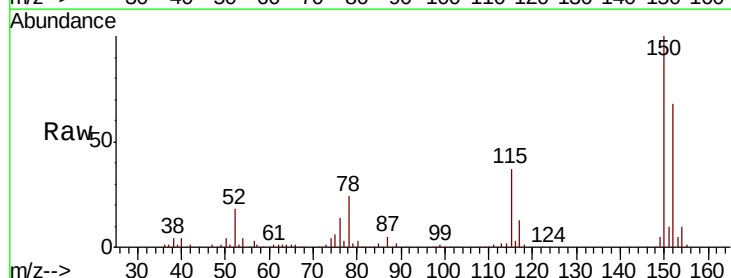
Tgt Ion:152 Resp: 53052

Ion Ratio Lower Upper

152 100

115 62.3 31.3 93.8

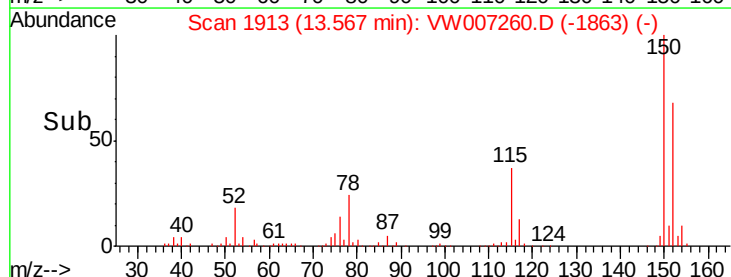
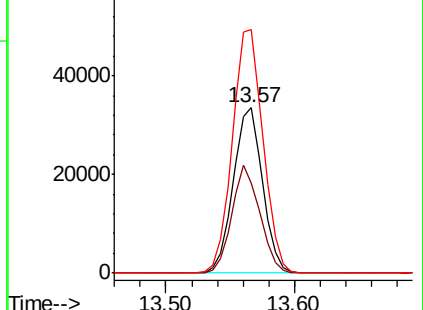
150 154.1 0.0 358.0

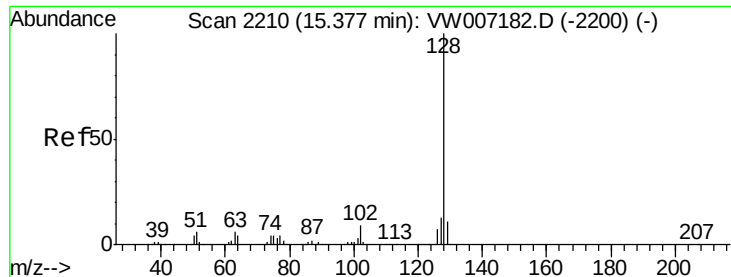


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

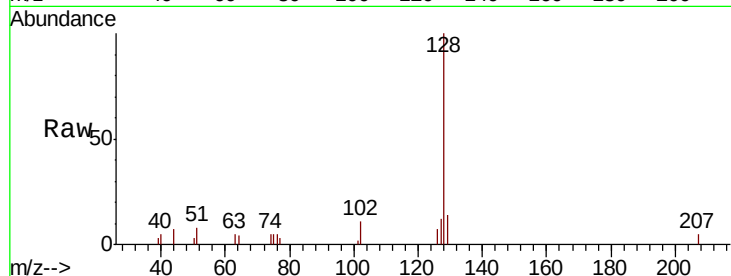




#95
Naphthalene
Concen: 1.897 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW007260.D
Acq: 06 Dec 2018 05:48

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MSVOA_W
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OK-02-120418-A

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	12.0	8.6	13.0



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

