

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102218\
 Data File : VW006274.D
 Acq On : 23 Oct 2018 03:12
 Operator : VA/AP
 Sample : J5625-12
 Misc : 4.72G/5ML/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DW-06

Quant Time: Nov 03 01:48:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

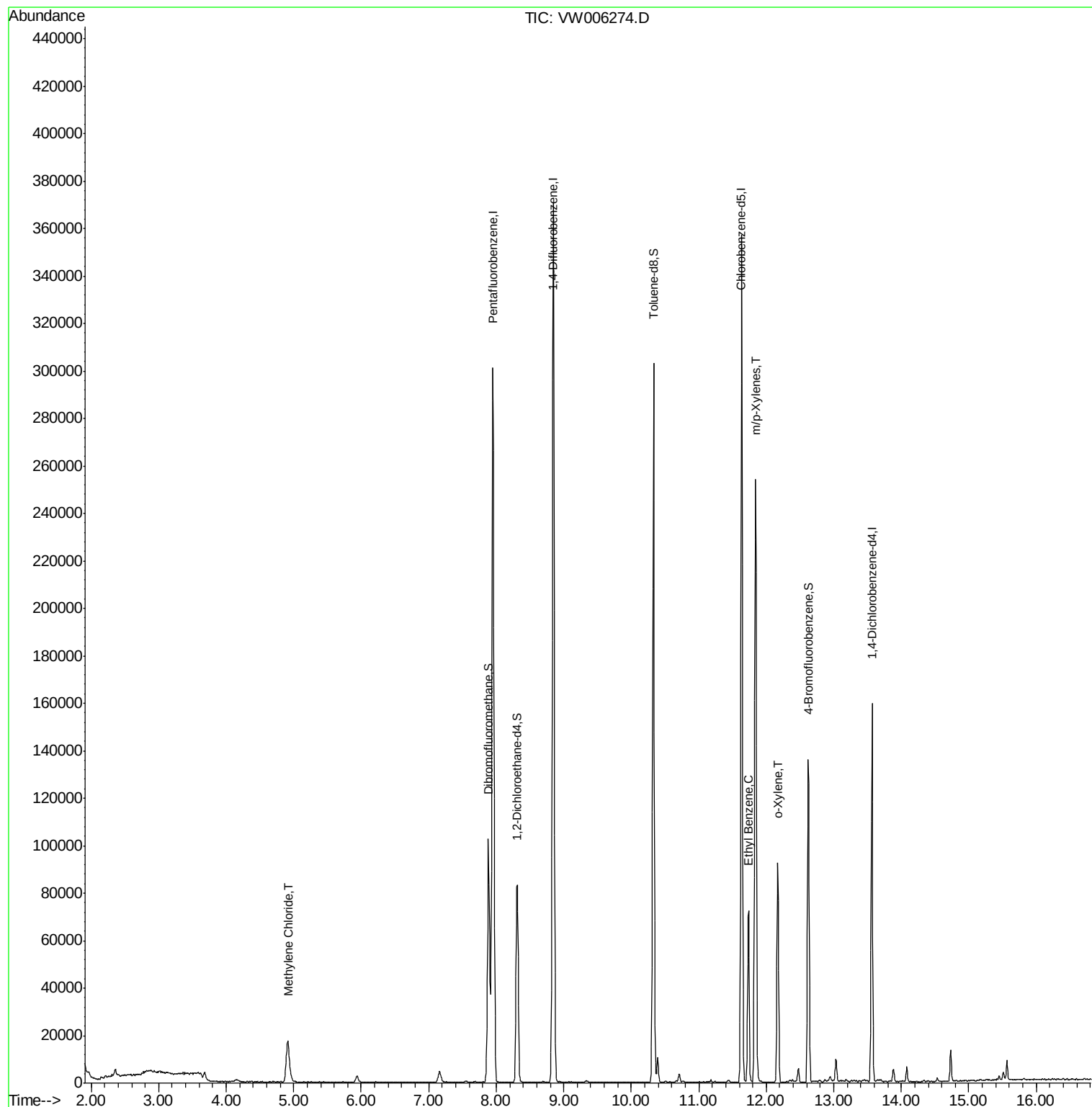
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	244767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	336088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	207297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	44834	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	67239	33.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	66.26%	
35) Dibromofluoromethane	7.88	113	70703	35.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.20%	
50) Toluene-d8	10.33	98	208359	27.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	55.16%	
62) 4-Bromofluorobenzene	12.62	95	40487	14.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	28.54%	
Target Compounds						
20) Methylene Chloride	4.92	84	15484	5.772	ug/l	92
67) Ethyl Benzene	11.74	91	51881	6.746	ug/l	99
68) m/p-Xylenes	11.84	106	80468	26.472	ug/l	99
69) o-Xylene	12.17	106	24822	8.568	ug/l	99

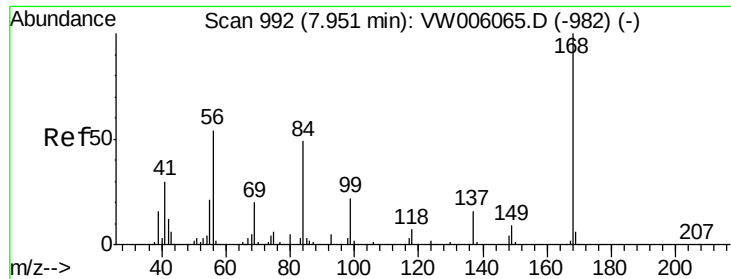
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW006274.D

Acq: 23 Oct 2018 03:12

Instrument :

MSVOA_W

ClientSampled :

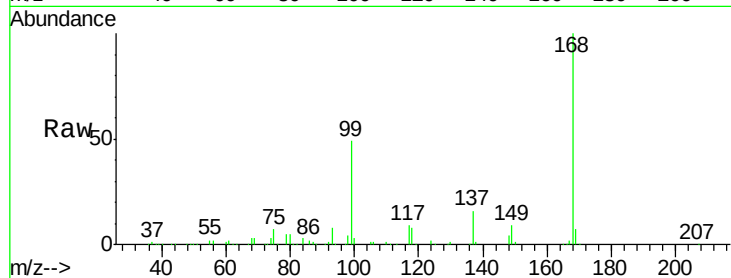
DW-06

Tgt Ion:168 Resp: 244767

Ion Ratio Lower Upper

168 100

99 48.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

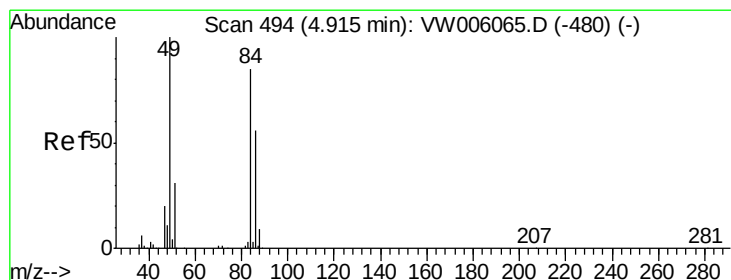
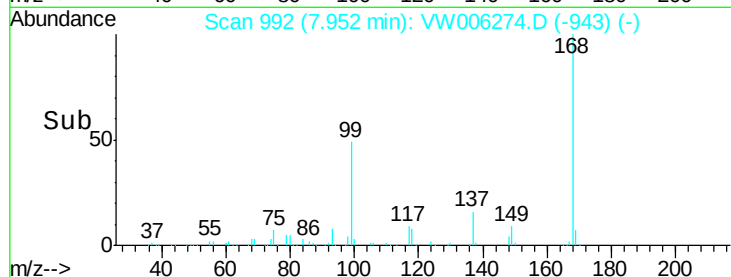
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#20

Methylene Chloride

Concen: 5.772 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006274.D

Acq: 23 Oct 2018 03:12

Tgt Ion: 84 Resp: 15484

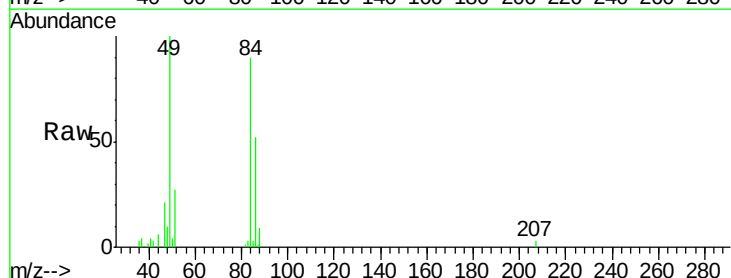
Ion Ratio Lower Upper

84 100

49 110.6 93.6 140.4

51 29.5 29.0 43.4

86 57.9 52.6 79.0



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

8000

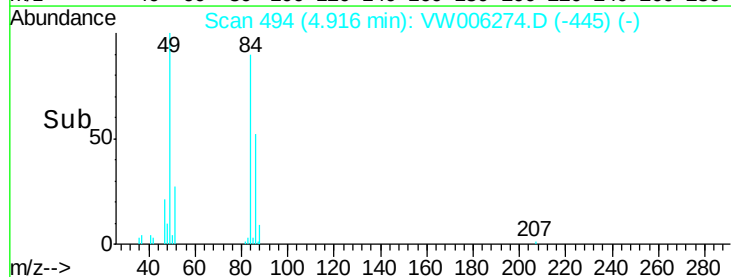
6000

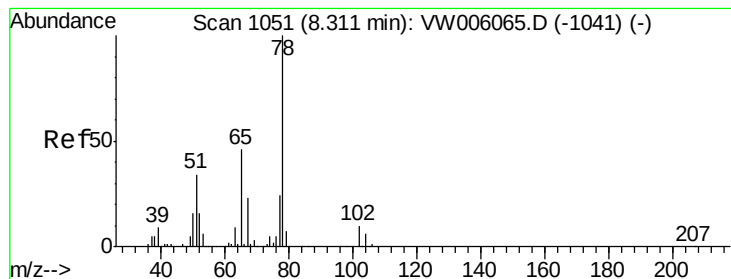
4000

2000

0

Time--> 4.80 4.90 5.00 5.10





#33

1,2-Dichloroethane-d4

Concen: 33.135 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006274.D

Acq: 23 Oct 2018 03:12

Instrument :

MSVOA_W

ClientSampleId :

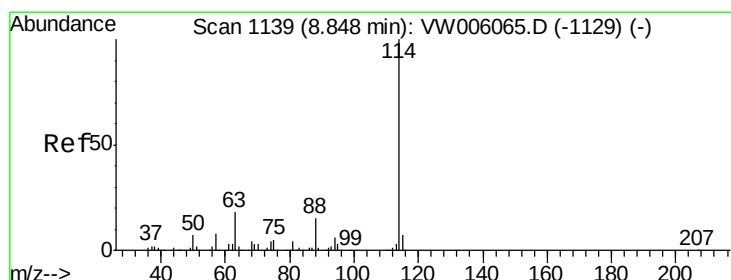
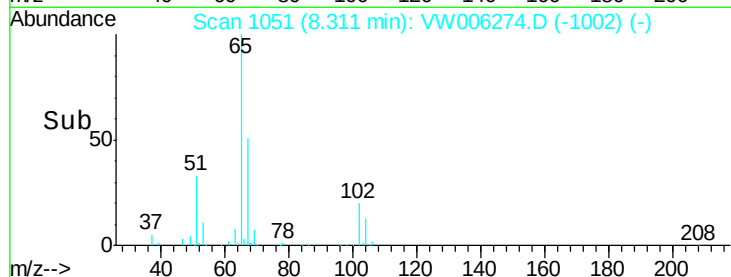
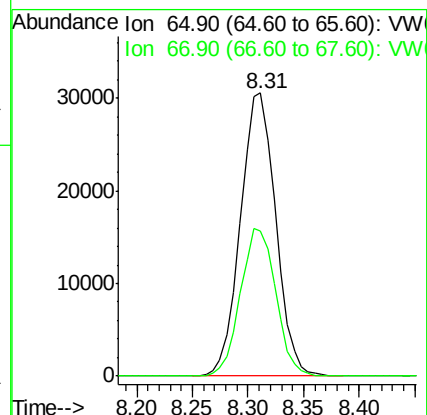
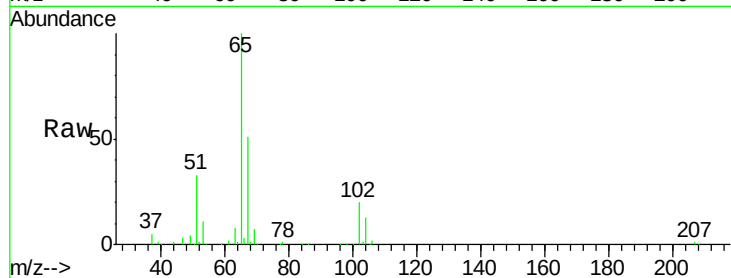
DW-06

Tgt Ion: 65 Resp: 67239

Ion Ratio Lower Upper

65 100

67 52.4 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006274.D

Acq: 23 Oct 2018 03:12

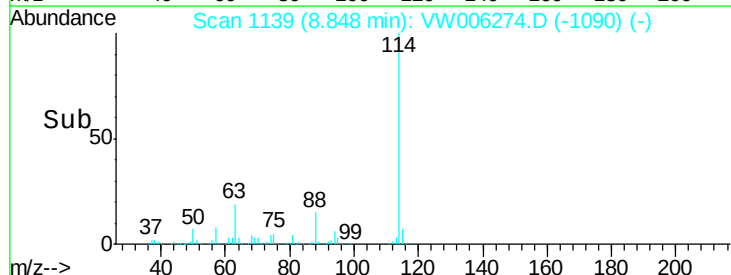
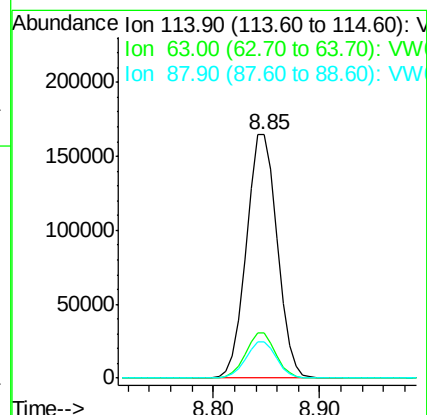
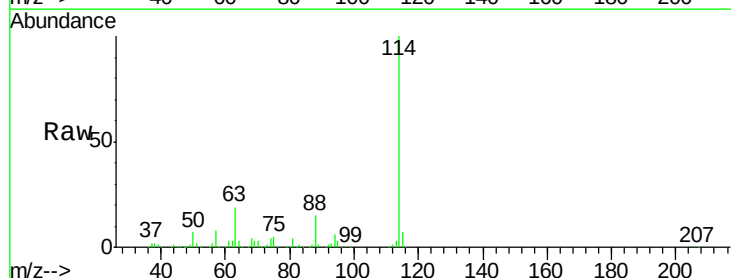
Tgt Ion: 114 Resp: 336088

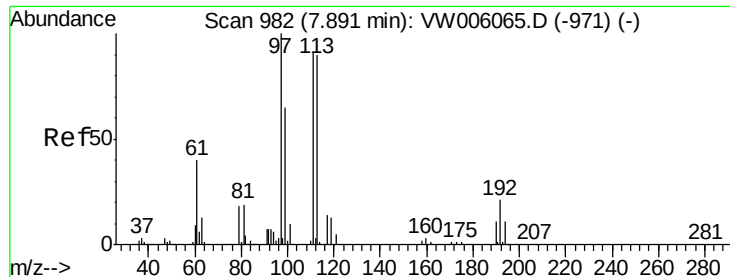
Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.8

88 15.1 0.0 29.0





#35

Dibromofluoromethane

Concen: 35.602 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006274.D

Acq: 23 Oct 2018 03:12

Instrument :

MSVOA_W

ClientSampleId :

DW-06

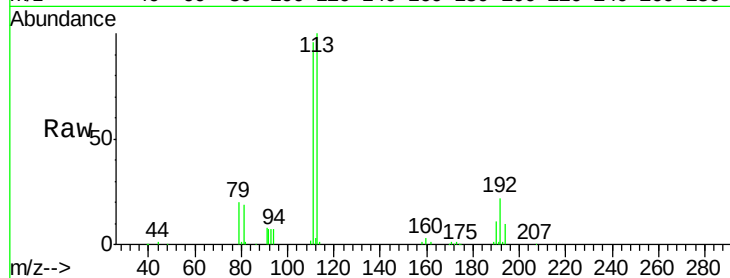
Tgt Ion:113 Resp: 70703

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

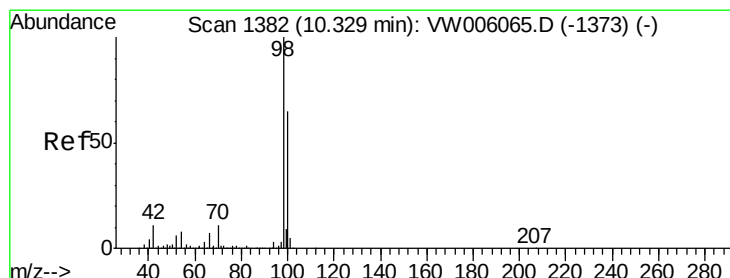
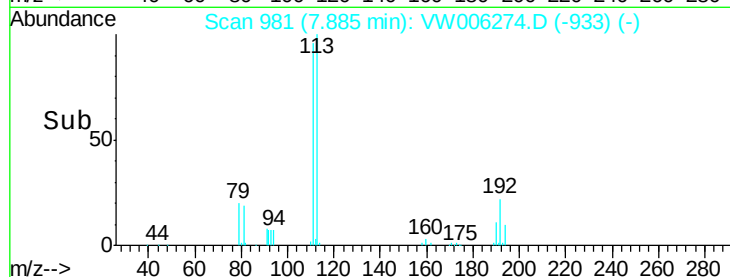
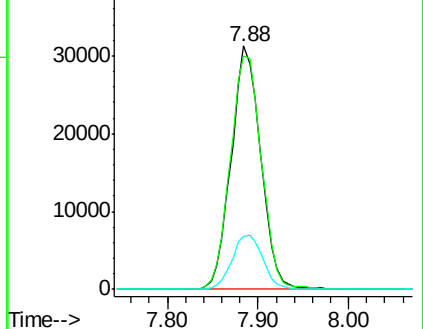
192 23.3 18.7 28.1



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: 27.577 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006274.D

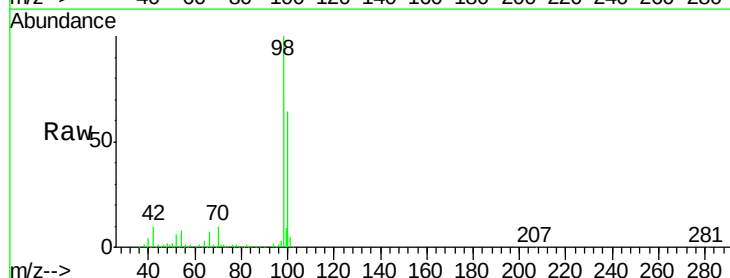
Acq: 23 Oct 2018 03:12

Tgt Ion: 98 Resp: 208359

Ion Ratio Lower Upper

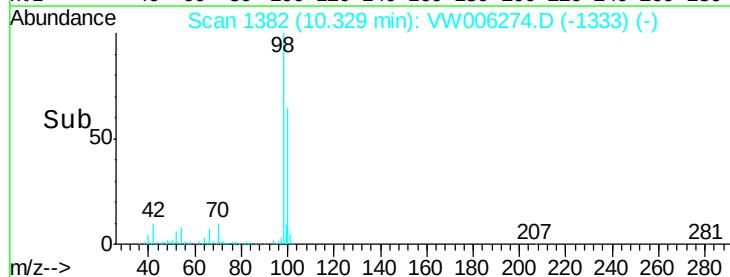
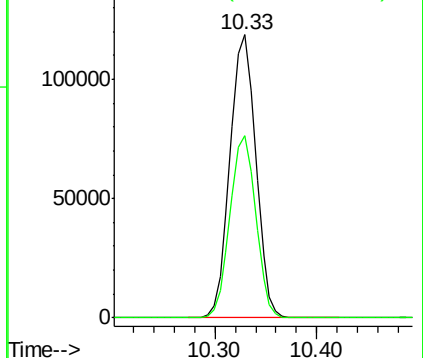
98 100

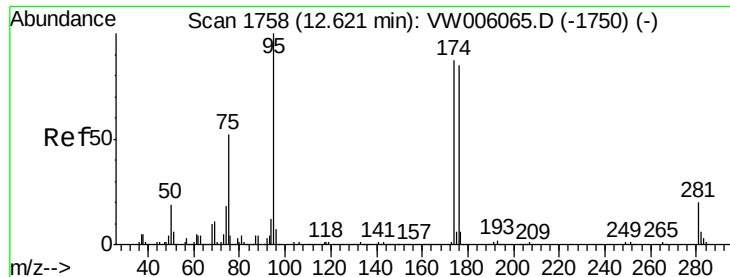
100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 14.267 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006274.D

Acq: 23 Oct 2018 03:12

Instrument :

MSVOA_W

ClientSampleId :

DW-06

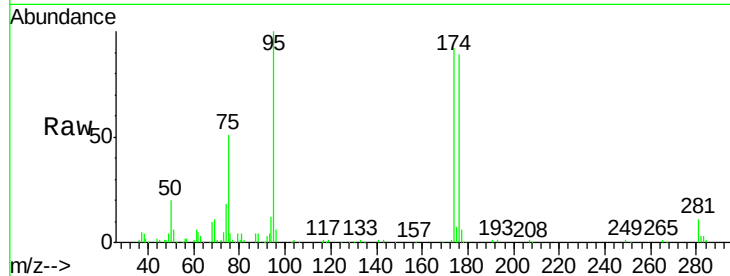
Tgt Ion: 95 Resp: 40487

Ion Ratio Lower Upper

95 100

174 95.7 0.0 186.0

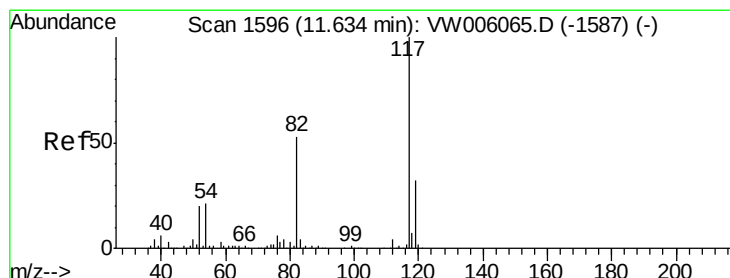
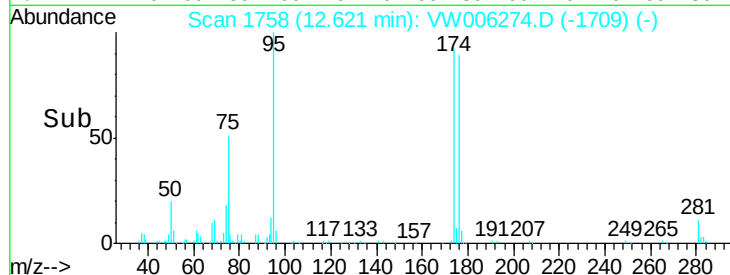
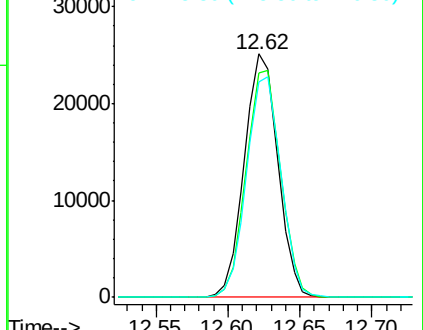
176 92.4 0.0 181.6



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. 0.00 min

Lab File: VW006274.D

Acq: 23 Oct 2018 03:12

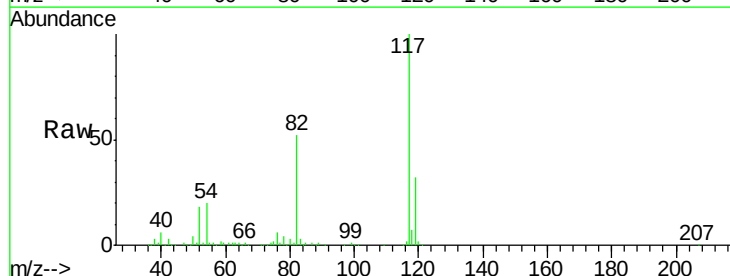
Tgt Ion: 117 Resp: 207297

Ion Ratio Lower Upper

117 100

82 51.6 42.1 63.1

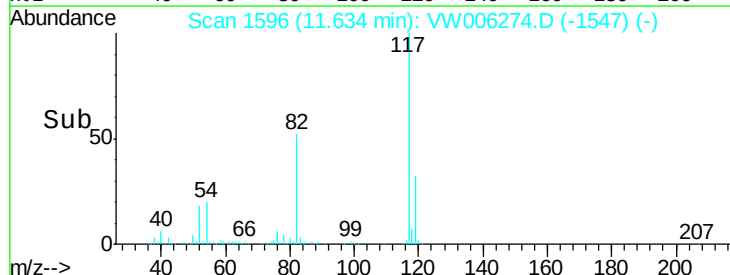
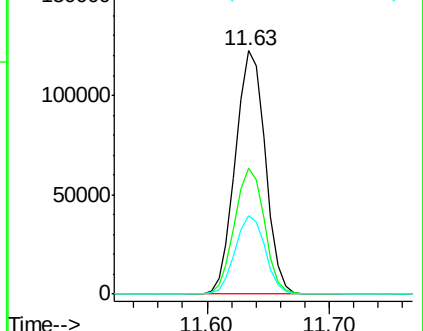
119 32.3 25.8 38.6

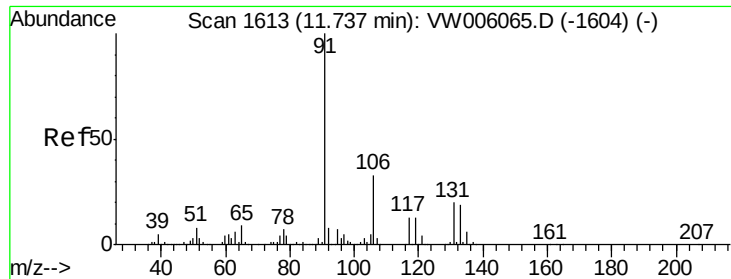


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

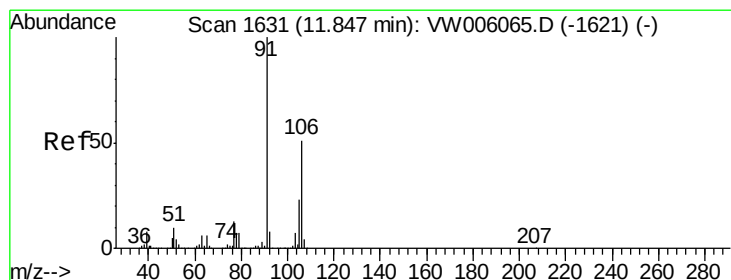
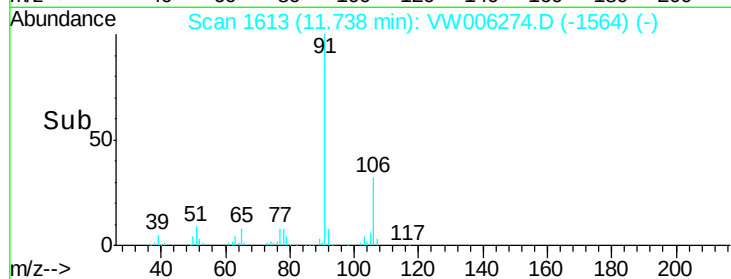
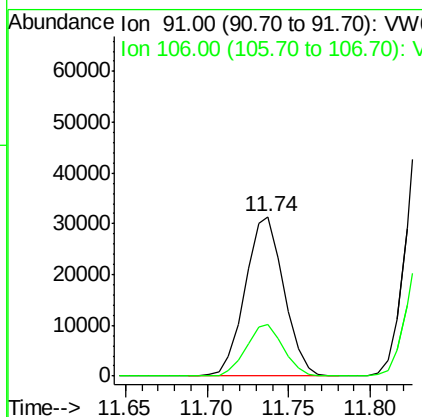
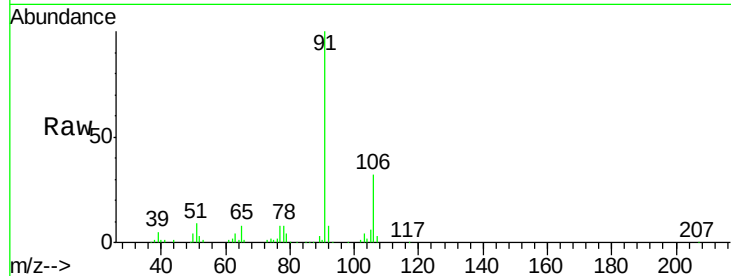




#67
Ethyl Benzene
Concen: 6.746 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006274.D
Acq: 23 Oct 2018 03:12

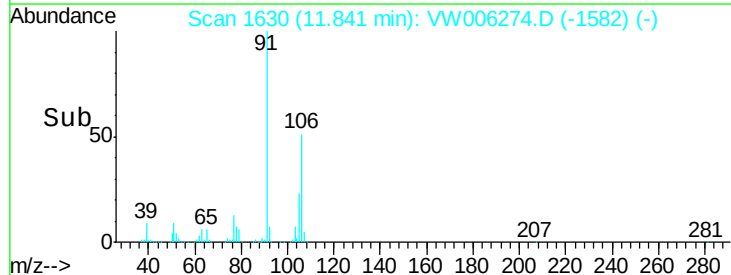
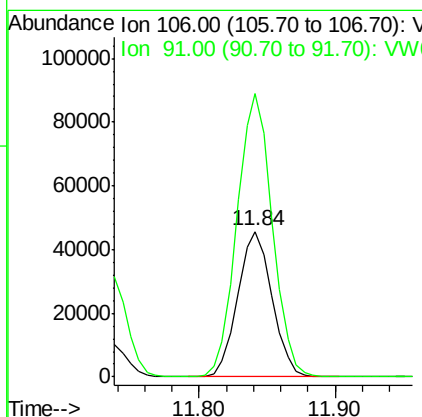
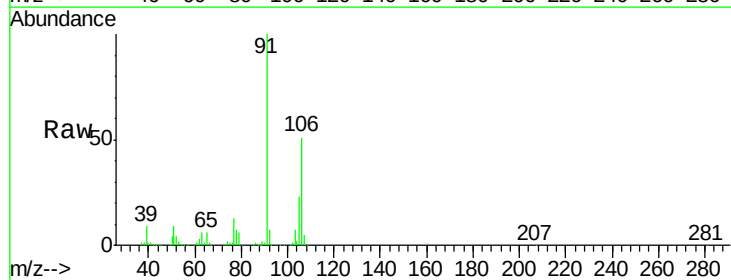
Instrument :
MSVOA_W
ClientSampled :
DW-06

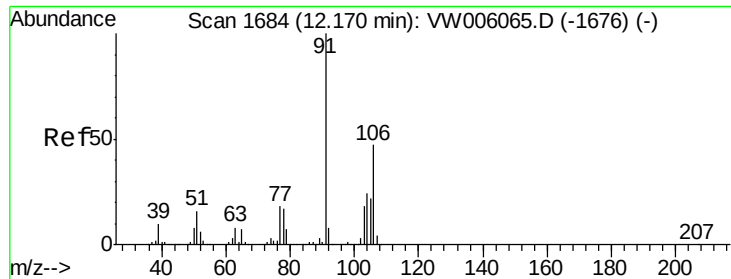
Tgt Ion: 91 Resp: 51881
Ion Ratio Lower Upper
91 100
106 32.0 26.1 39.1



#68
m/p-Xylenes
Concen: 26.472 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006274.D
Acq: 23 Oct 2018 03:12

Tgt Ion: 106 Resp: 80468
Ion Ratio Lower Upper
106 100
91 199.9 159.1 238.7

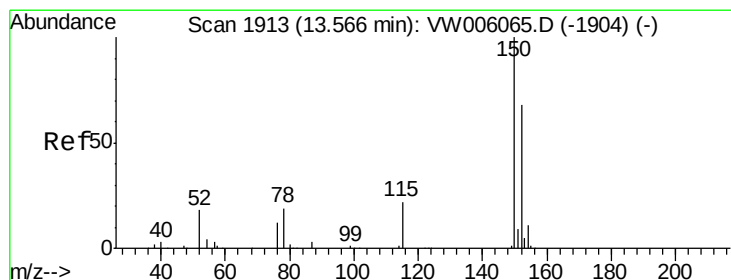
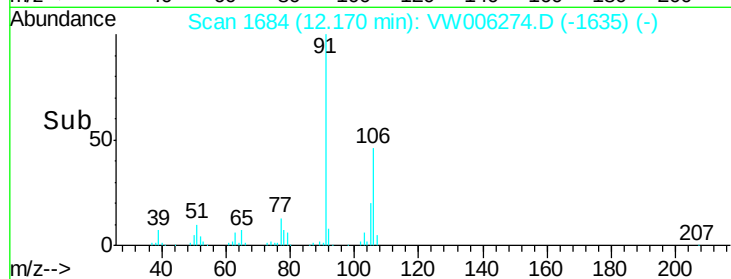
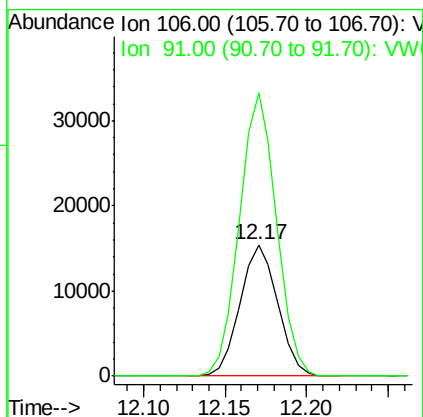
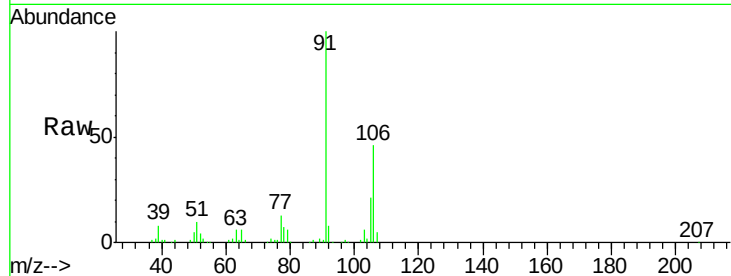




#69
o-Xylene
Concen: 8.568 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006274.D
Acq: 23 Oct 2018 03:12

Instrument :
MSVOA_W
ClientSampleId :
DW-06

Tgt Ion:106 Resp: 24822
Ion Ratio Lower Upper
106 100
91 211.9 105.4 316.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006274.D
Acq: 23 Oct 2018 03:12

Tgt Ion:152 Resp: 44834
Ion Ratio Lower Upper
152 100
115 54.1 27.8 83.3
150 158.8 0.0 349.2

