

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004769.D
 Acq On : 18 Aug 2018 09:05
 Operator : SY/AP
 Sample : J4521-01
 Misc : 7.82G/5ML/MSVOA W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT2286

Quant Time: Aug 20 01:33:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	574474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	976643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	824168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	311556	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	314688	56.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.32%	
35) Dibromofluoromethane	7.88	113	308334	49.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.80%	
50) Toluene-d8	10.33	98	1001658	41.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.22%	
62) 4-Bromofluorobenzene	12.62	95	300371	34.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	68.54%	

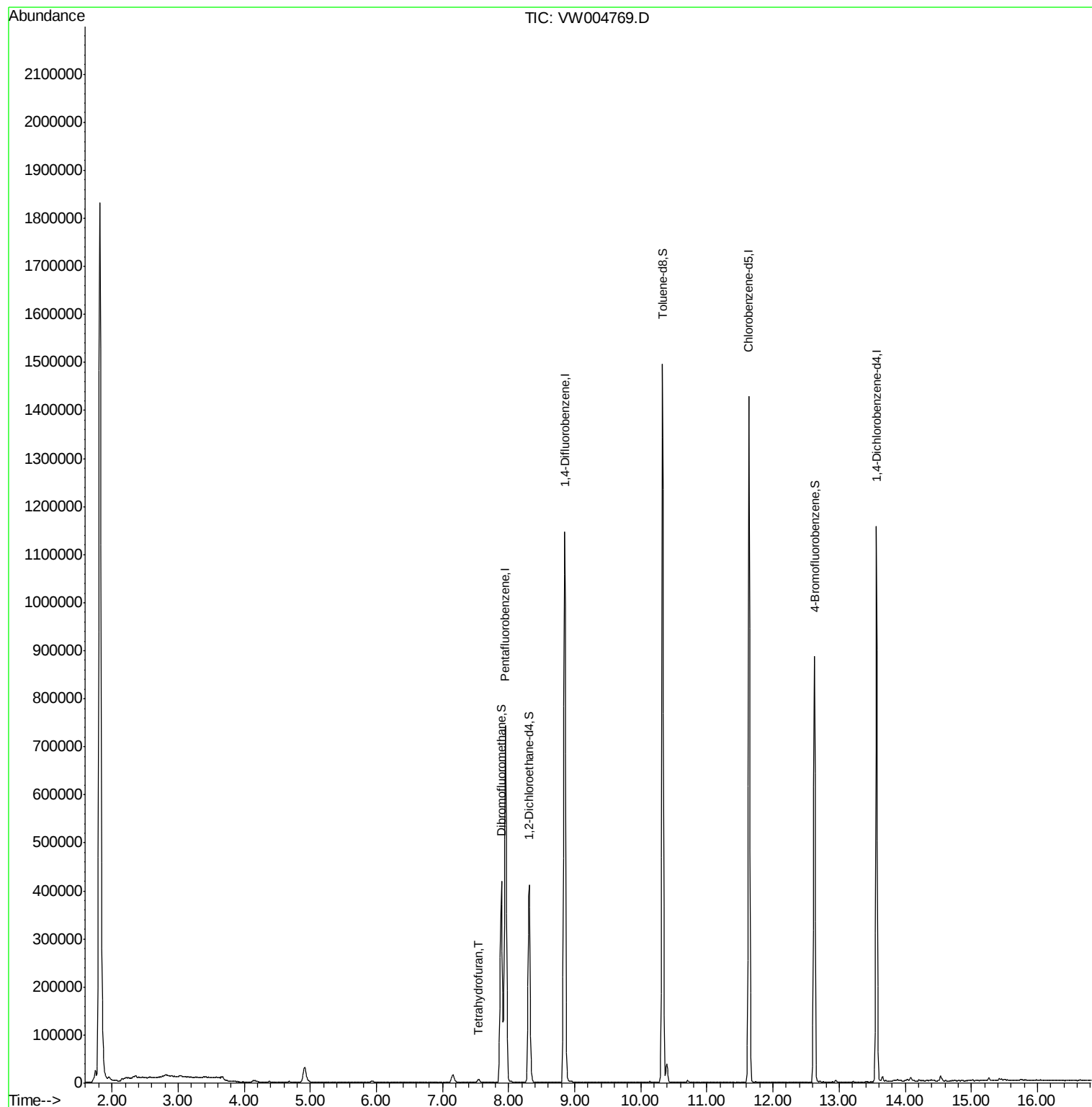
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
29) Tetrahydrofuran	7.55	42	4465	4.33	ug/l	95

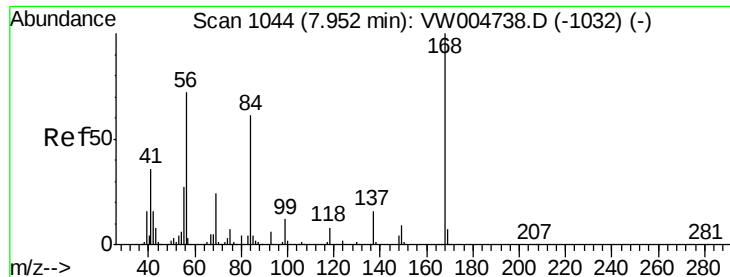
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004769.D

Acq: 18 Aug 2018 09:05

Instrument :

MSVOA_W

ClientSampleId :

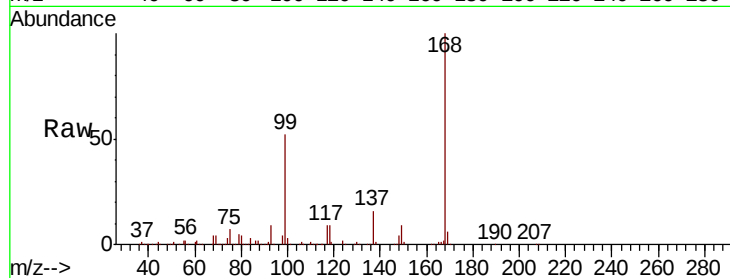
RT2286

Tot Ion:168 Resp: 574474

Ion Ratio Lower Upper

168 100

99 52.0 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

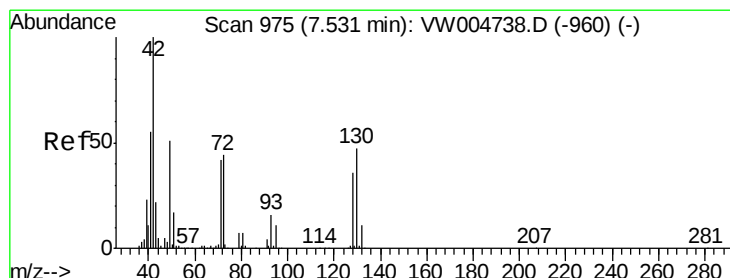
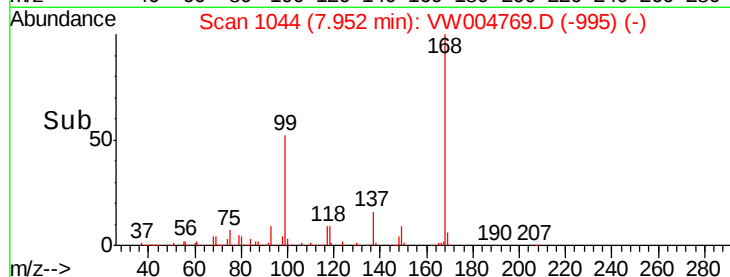
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#29

Tetrahydrofuran

Concen: 4.33 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.02 min

Lab File: VW004769.D

Acq: 18 Aug 2018 09:05

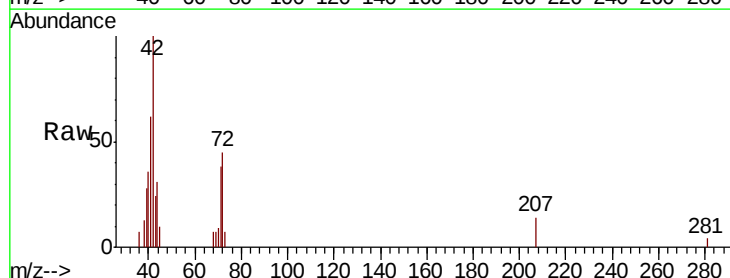
Tgt Ion: 42 Resp: 4465

Ion Ratio Lower Upper

42 100

72 44.7 34.9 52.3

71 37.4 33.8 50.6



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

2000

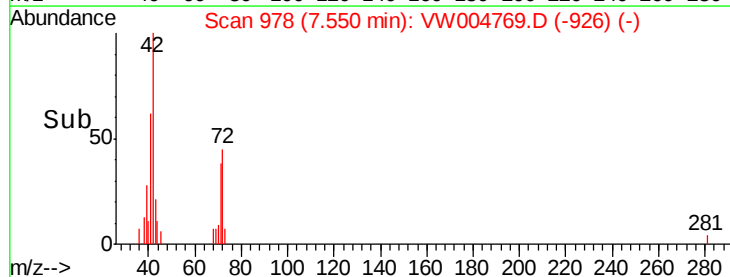
1500

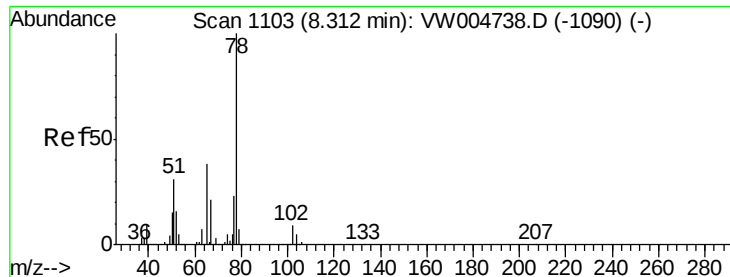
1000

500

0

Time--> 7.45 7.50 7.55 7.60





#33

1,2-Dichloroethane-d4

Concen: 56.66 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004769.D

Acq: 18 Aug 2018 09:05

Instrument :

MSVOA_W

ClientSampleId :

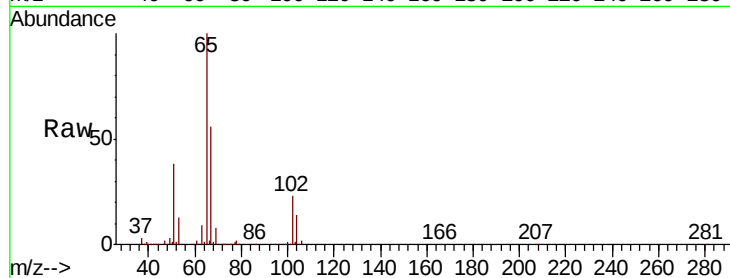
RT2286

Tot Ion: 65 Resp: 314688

Ion Ratio Lower Upper

65 100

67 55.3 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

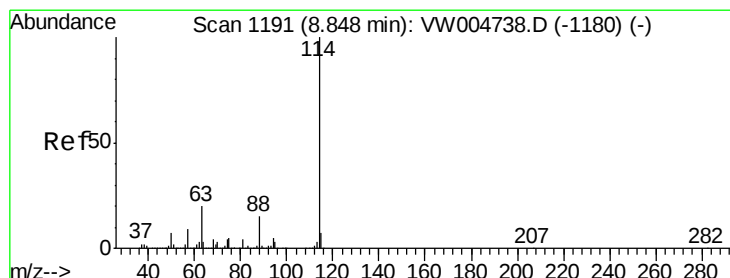
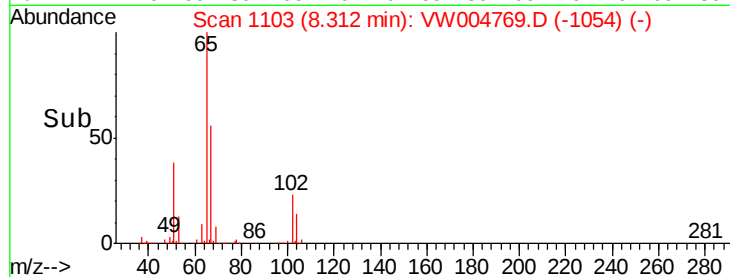
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004769.D

Acq: 18 Aug 2018 09:05

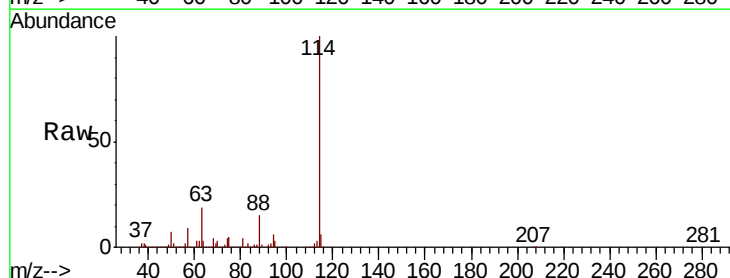
Tgt Ion: 114 Resp: 976643

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.0

88 15.1 0.0 30.0



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

8.85

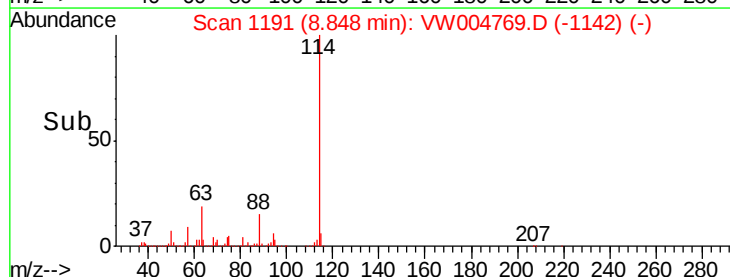
600000

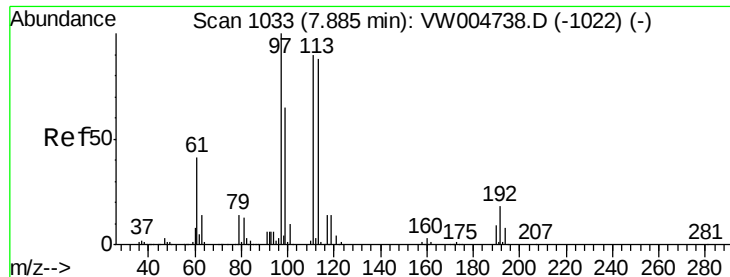
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 49.40 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004769.D

Acq: 18 Aug 2018 09:05

Instrument :

MSVOA_W

ClientSampleId :

RT2286

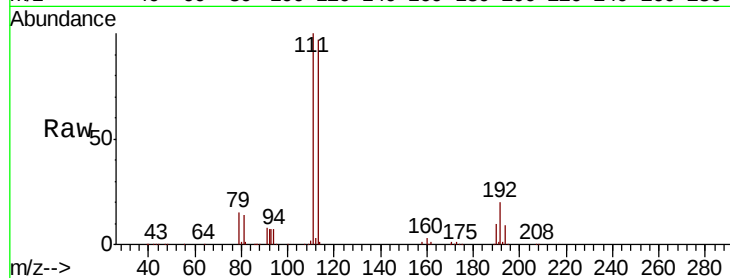
Tot Ion:113 Resp: 308334

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

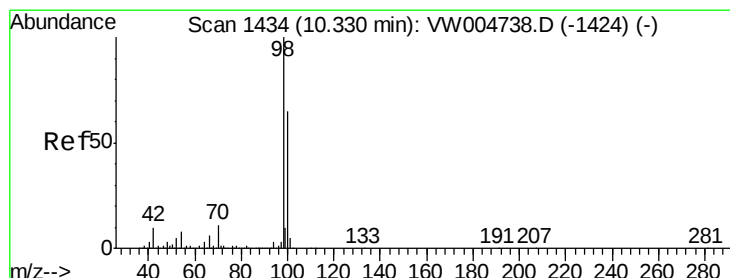
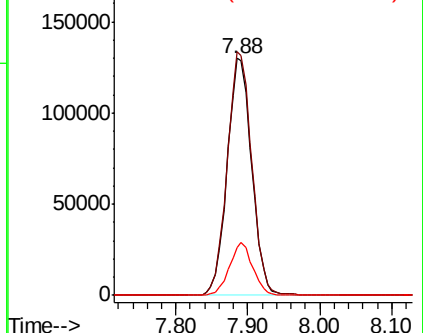
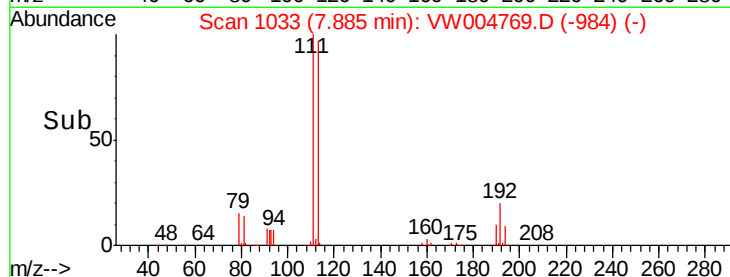
192 21.0 16.7 25.1



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: 41.11 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004769.D

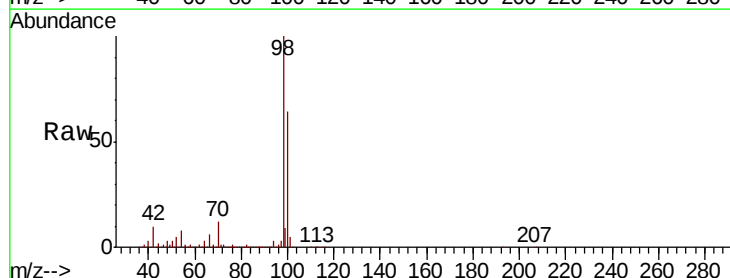
Acq: 18 Aug 2018 09:05

Tgt Ion: 98 Resp: 1001658

Ion Ratio Lower Upper

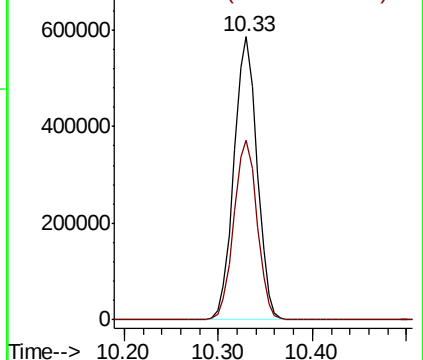
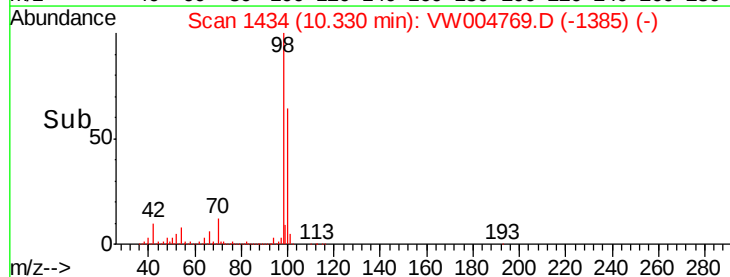
98 100

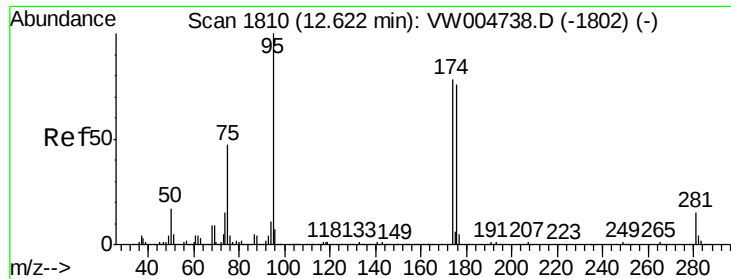
100 64.0 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

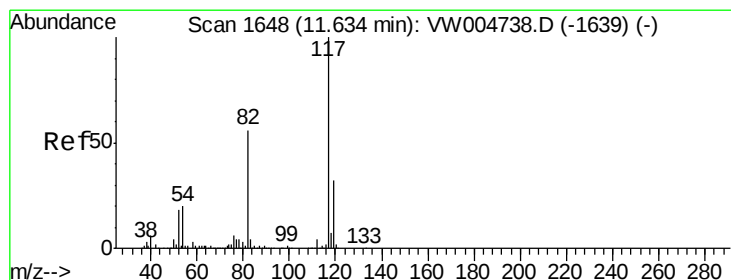
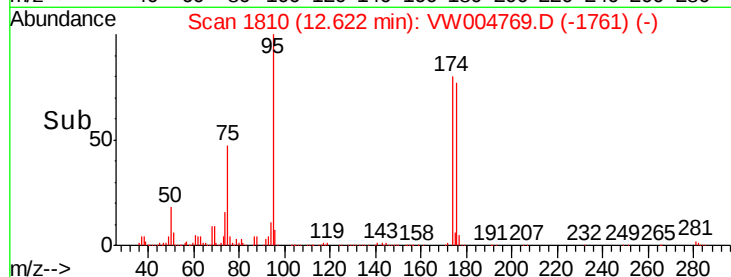
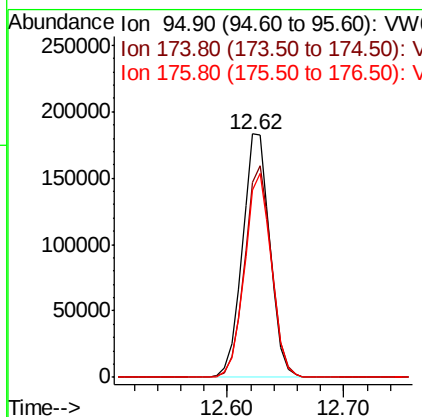
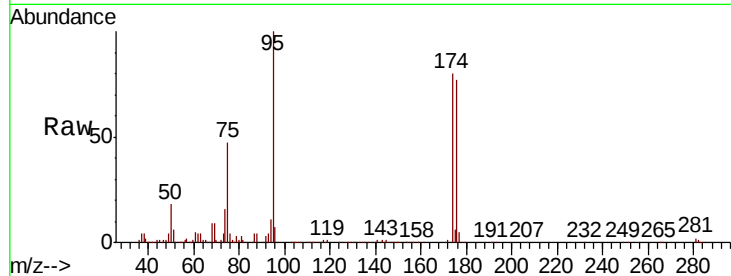




#62
4-Bromofluorobenzene
Concen: 34.27 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004769.D
Acq: 18 Aug 2018 09:05

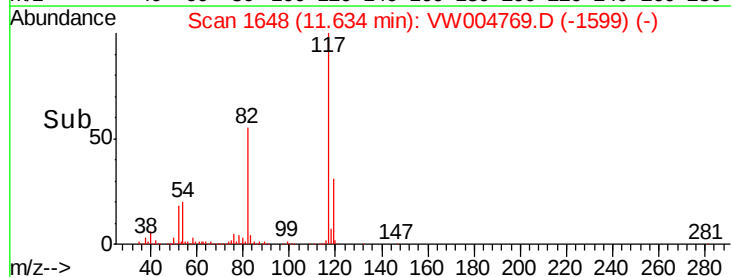
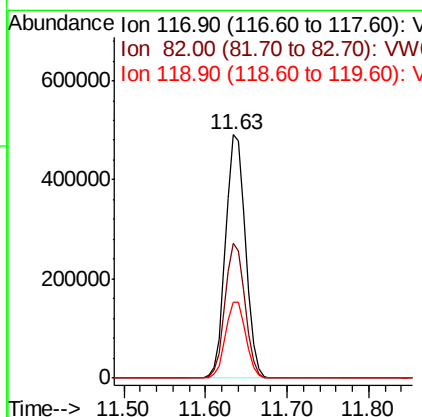
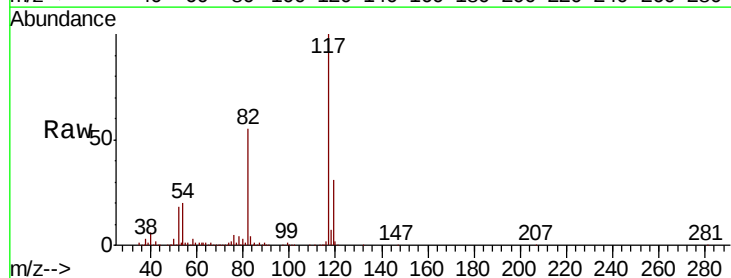
Instrument :
MSVOA_W
ClientSampleId :
RT2286

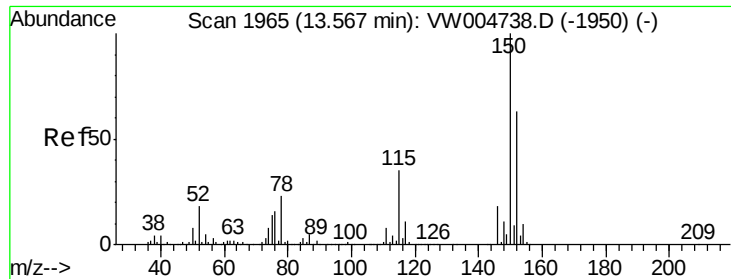
Tot Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	165.8
176	81.8	0.0	159.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004769.D
Acq: 18 Aug 2018 09:05

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.6	67.0
119	31.1	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004769.D

Acq: 18 Aug 2018 09:05

Instrument :

MSVOA_W

ClientSampleId :

RT2286

Tot Ion:152 Resp: 311556

Ion Ratio Lower Upper

152 100

115 57.0 28.5 85.5

150 157.2 0.0 344.8

