

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100719\
 Data File : VW013469.D
 Acq On : 07 Oct 2019 17:46
 Operator : SY/VA
 Sample : K5213-05
 Misc : 5.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S-3(0-5)

Quant Time: Oct 18 07:06:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

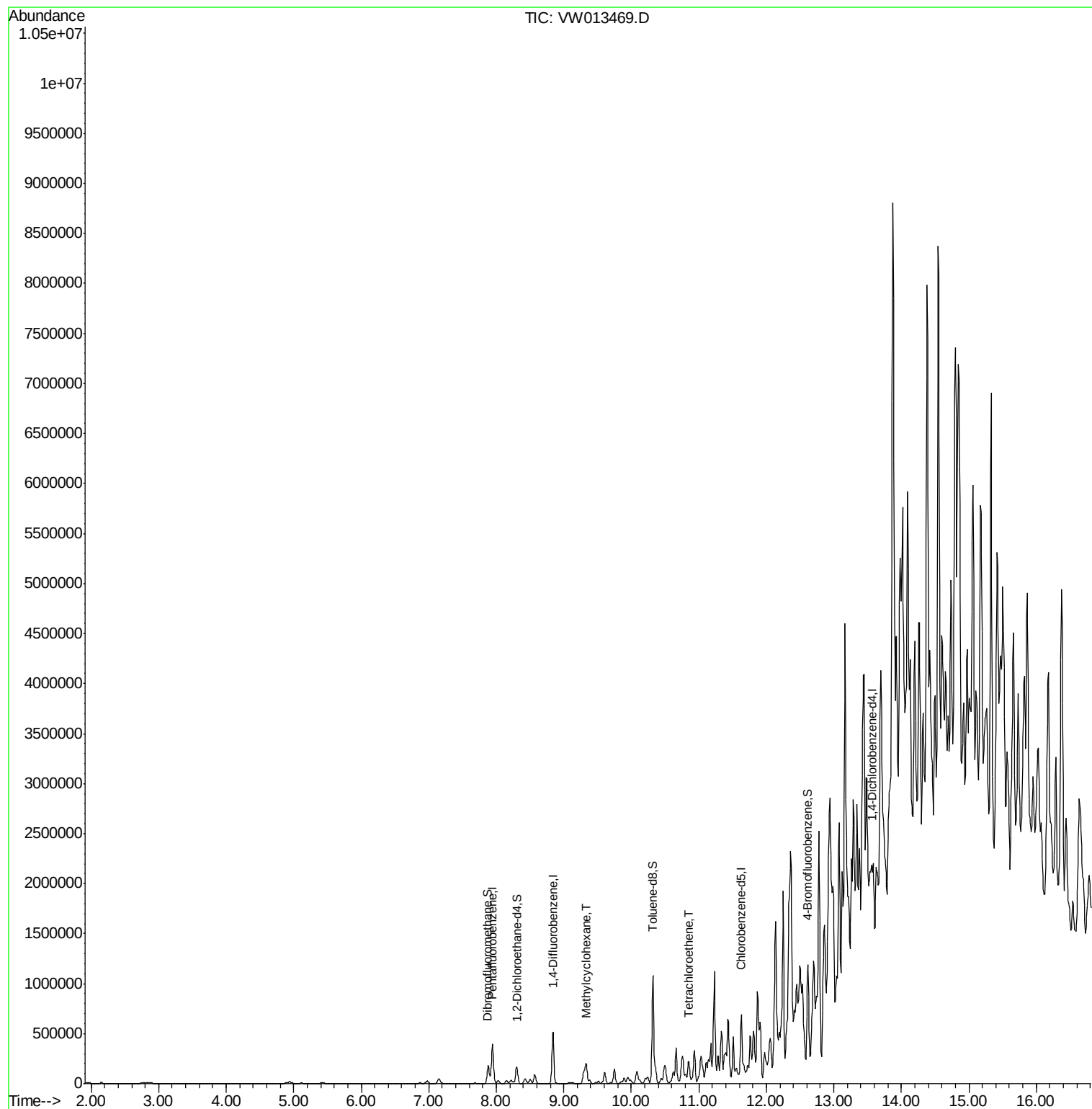
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	309258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	465970	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	357474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	171997	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	132185	57.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.48%	
35) Dibromofluoromethane	7.88	113	132063	54.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.02%	
50) Toluene-d8	10.32	98	533218	52.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.61	95	185652	54.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.58%	
Target Compounds						
39) Methylcyclohexane	9.33	83	99934	17.533	ug/l	95
64) Tetrachloroethene	10.86	164	30408	11.181	ug/l	95

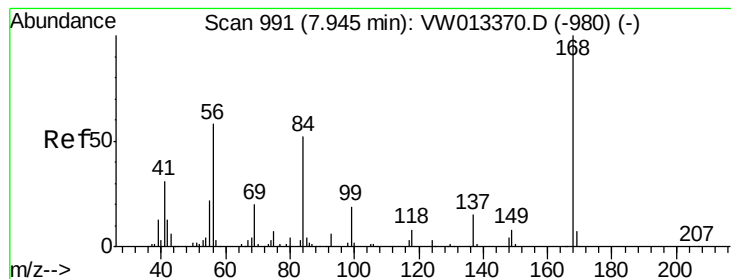
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013469.D

Acq: 07 Oct 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

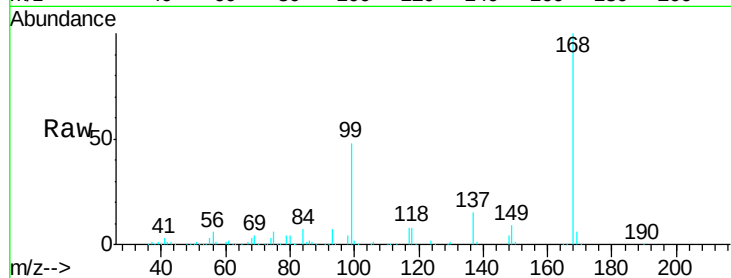
S-3(0-5)

Tgt Ion:168 Resp: 309258

Ion Ratio Lower Upper

168 100

99 48.2 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

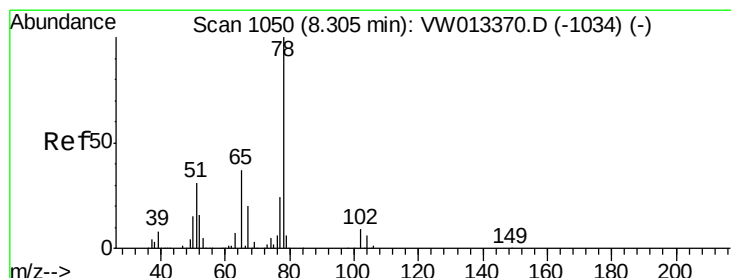
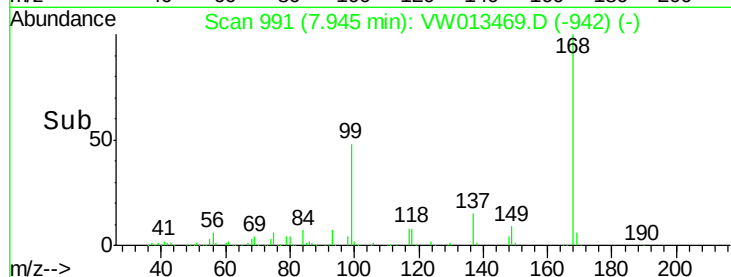
100000

50000

0

7.90 8.00

Time-->



#33

1,2-Dichloroethane-d4

Concen: 57.244 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013469.D

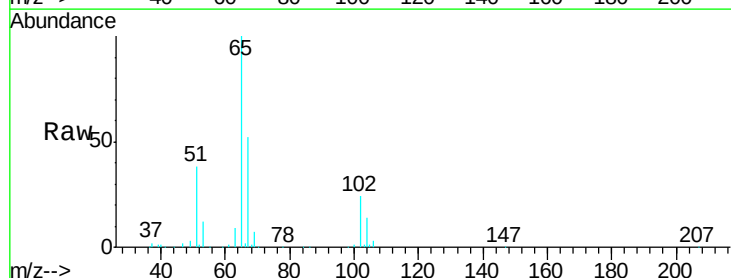
Acq: 07 Oct 2019 17:46

Tgt Ion: 65 Resp: 132185

Ion Ratio Lower Upper

65 100

67 54.3 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

60000

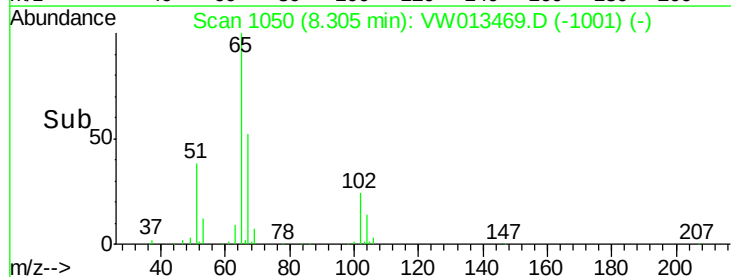
40000

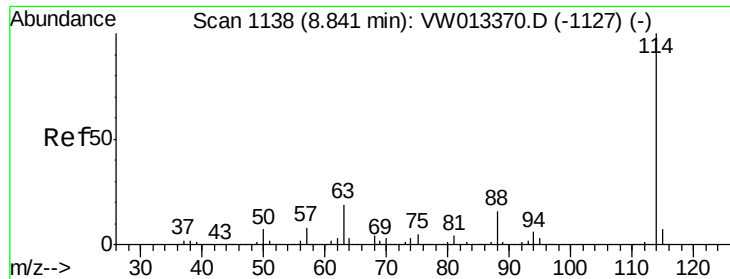
20000

0

8.20 8.25 8.30 8.35 8.40

Time-->

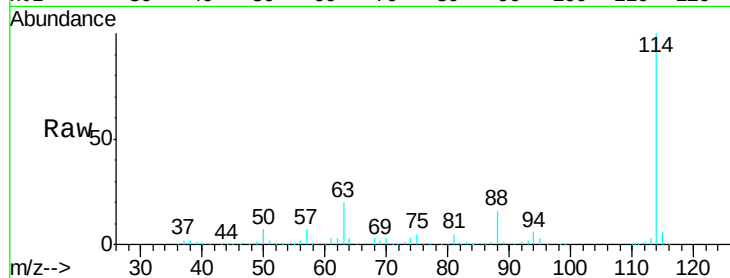




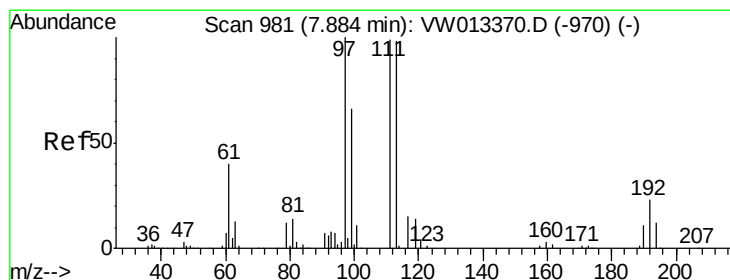
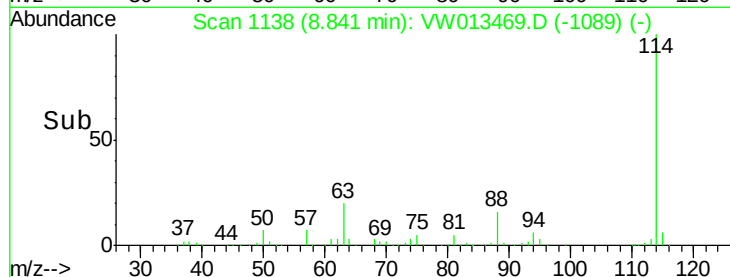
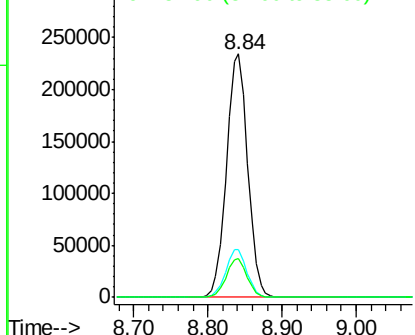
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW013469.D
Acq: 07 Oct 2019 17:46

Instrument :
MSVOA_W
ClientSampleId :
S-3(0-5)

Tgt Ion:114 Resp: 465970
Ion Ratio Lower Upper
114 100
63 19.8 0.0 41.4
88 15.7 0.0 32.0

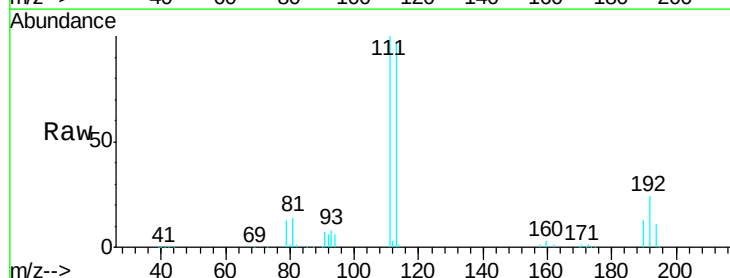


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

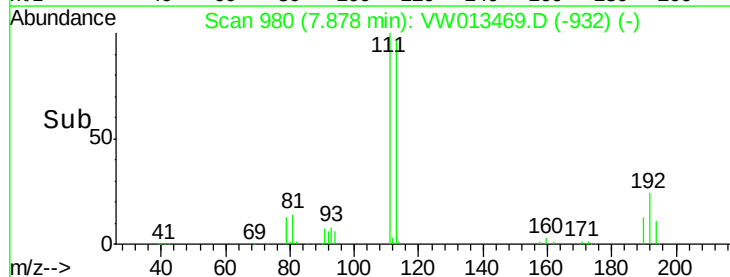
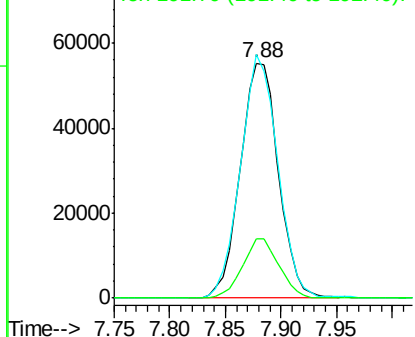


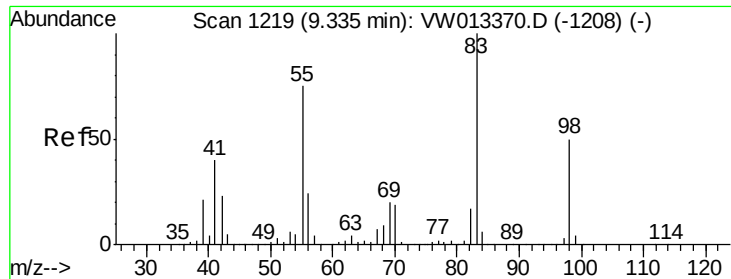
#35
Dibromofluoromethane
Concen: 54.012 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW013469.D
Acq: 07 Oct 2019 17:46

Tgt Ion:113 Resp: 132063
Ion Ratio Lower Upper
113 100
111 101.4 81.9 122.9
192 24.0 19.1 28.7



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

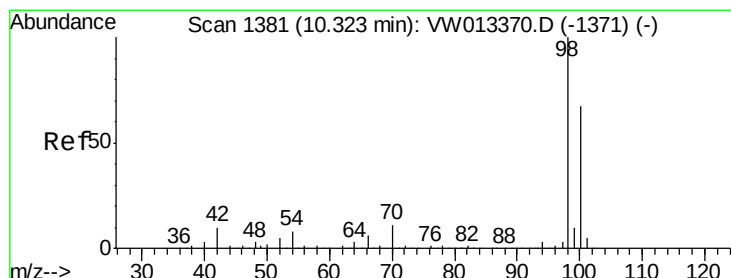
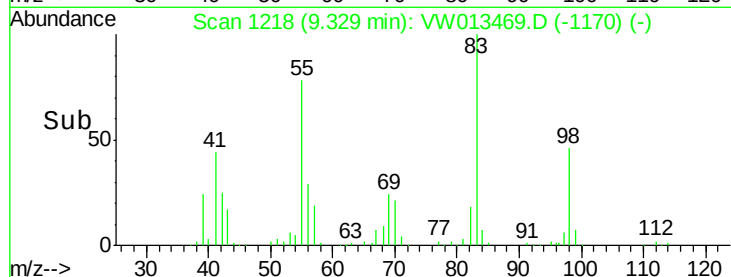
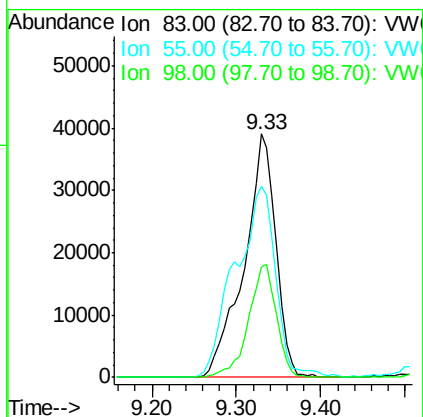
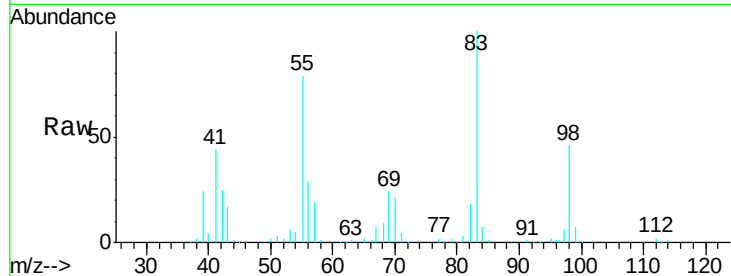




#39
Methylcyclohexane
Concen: 17.533 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW013469.D
Acq: 07 Oct 2019 17:46

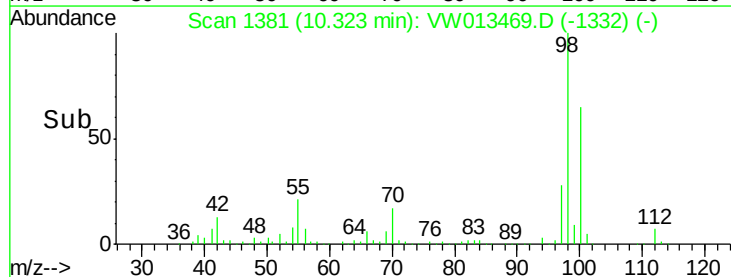
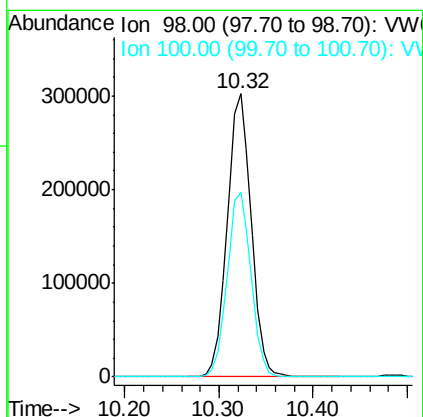
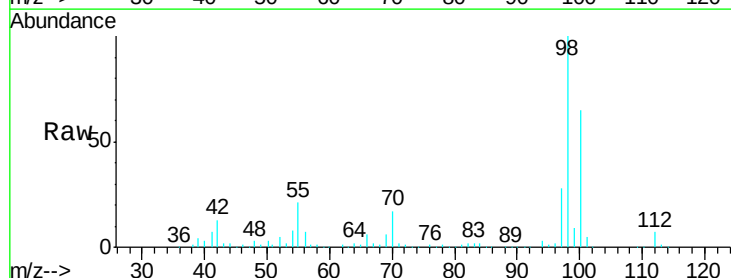
Instrument :
MSVOA_W
ClientSampled :
S-3(0-5)

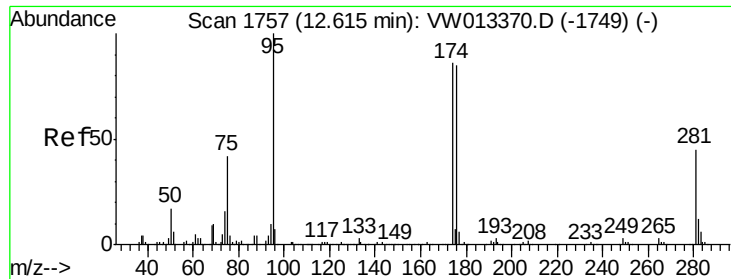
Tgt Ion: 83 Resp: 99934
Ion Ratio Lower Upper
83 100
55 78.5 60.4 90.6
98 45.6 40.0 60.0



#50
Toluene-d8
Concen: 52.552 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013469.D
Acq: 07 Oct 2019 17:46

Tgt Ion: 98 Resp: 533218
Ion Ratio Lower Upper
98 100
100 64.6 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 54.792 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013469.D

Acq: 07 Oct 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

S-3(0-5)

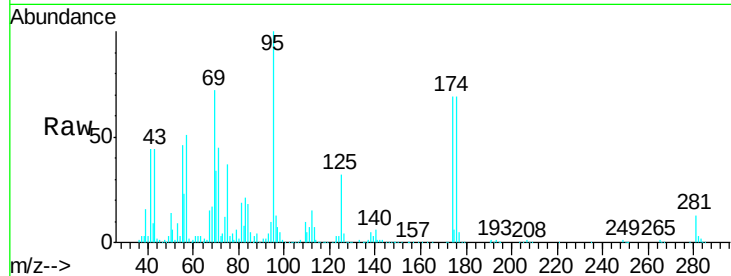
Tgt Ion: 95 Resp: 185652

Ion Ratio Lower Upper

95 100

174 67.4 0.0 178.4

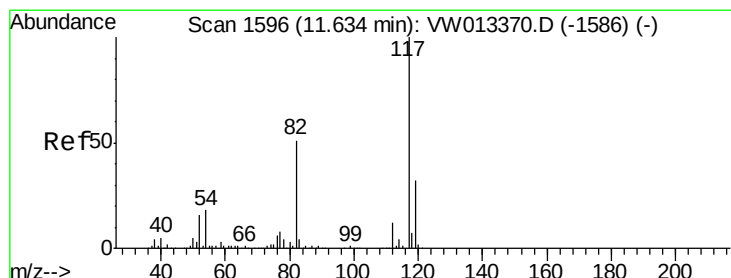
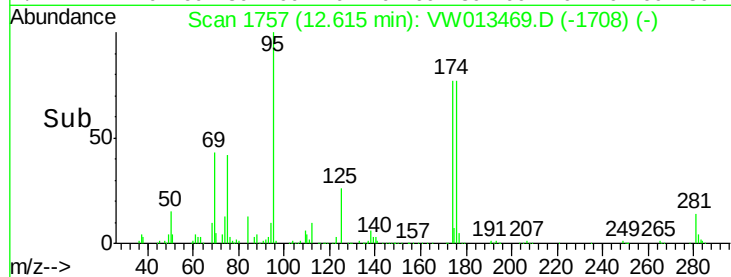
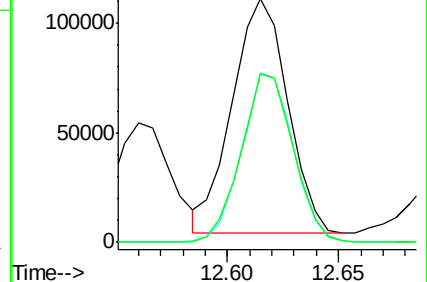
176 67.5 0.0 172.2



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# 1595

Delta R.T. -0.01 min

Lab File: VW013469.D

Acq: 07 Oct 2019 17:46

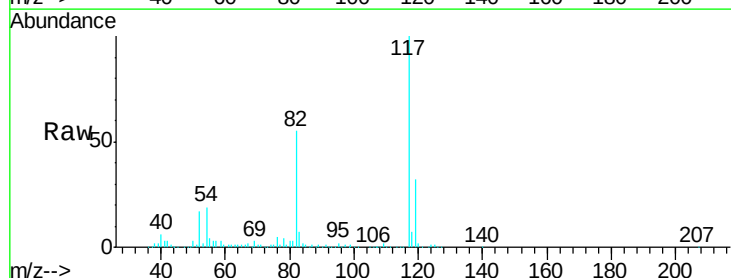
Tgt Ion: 117 Resp: 357474

Ion Ratio Lower Upper

117 100

82 50.2 45.9 68.9

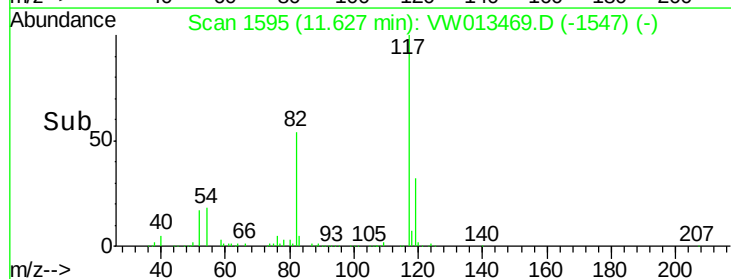
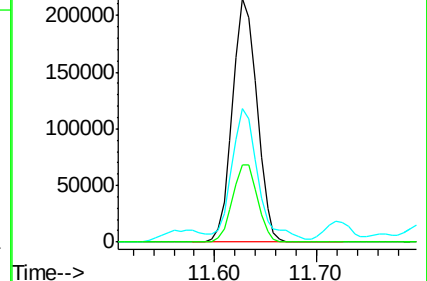
119 31.5 26.2 39.2

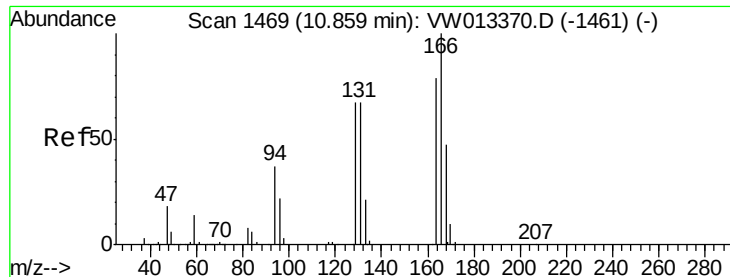


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 11.181 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013469.D

Acq: 07 Oct 2019 17:46

Instrument :

MSVOA_W

ClientSampled :

S-3(0-5)

Tgt Ion:164 Resp: 30408

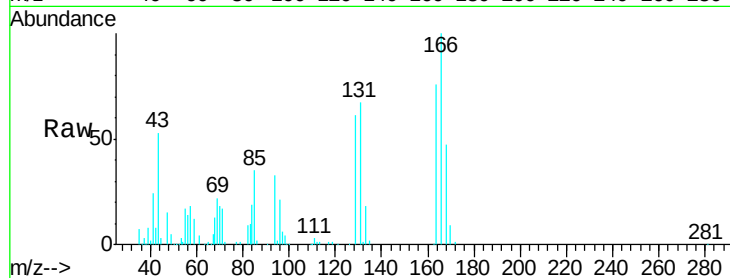
Ion Ratio Lower Upper

164 100

166 130.9 101.2 151.8

129 79.6 68.8 103.2

131 87.1 65.2 97.8

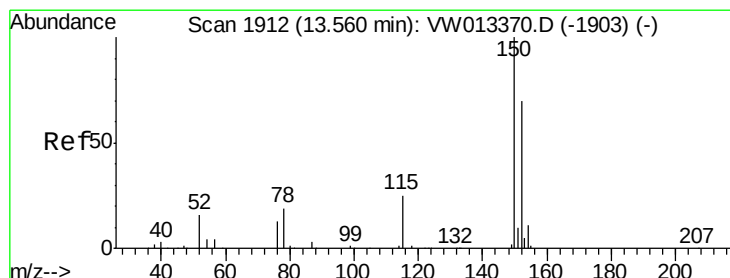
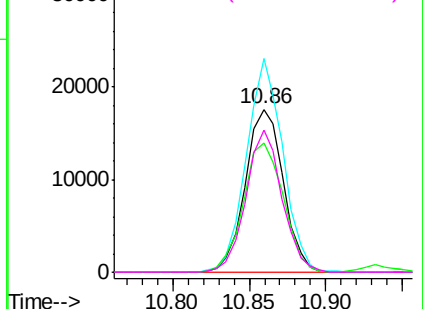
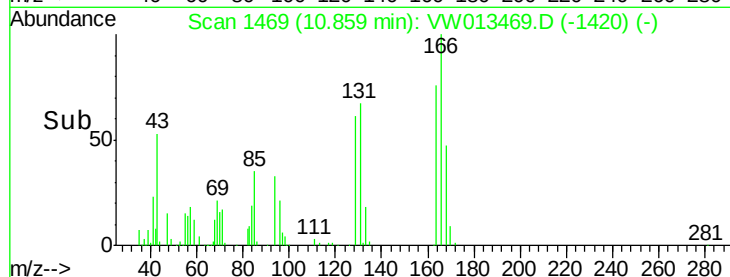


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013469.D

Acq: 07 Oct 2019 17:46

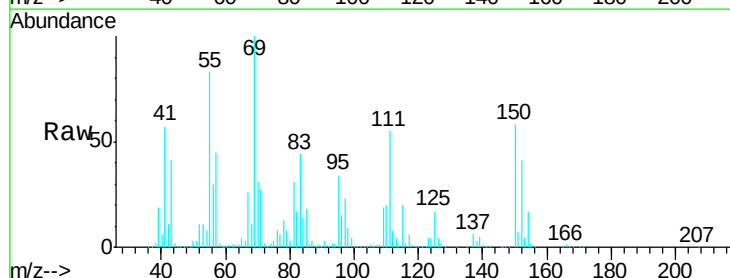
Tgt Ion:152 Resp: 171997

Ion Ratio Lower Upper

152 100

115 38.5 27.3 81.9

150 106.3 0.0 349.0



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

