

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120418\
 Data File : VW007194.D
 Acq On : 04 Dec 2018 18:12
 Operator : SY/AP
 Sample : J6168-25
 Misc : 4.7G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S5

Quant Time: Dec 05 06:05:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 04 14:18:19 2018
 Response via : Initial Calibration

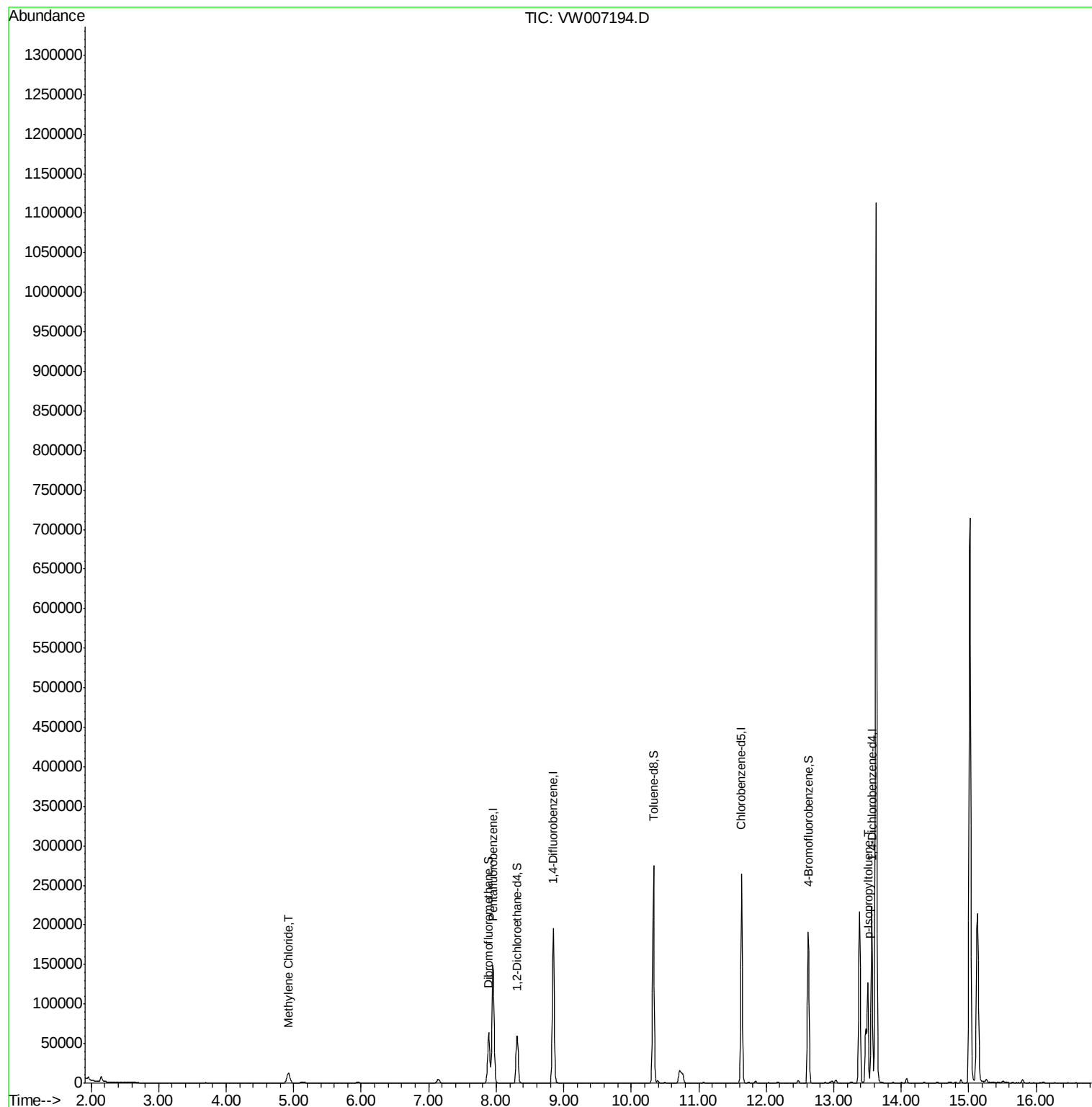
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	113443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	176529	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	150923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	61441	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	50252	47.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.16%	
35) Dibromofluoromethane	7.89	113	47195	46.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.38%	
50) Toluene-d8	10.33	98	190151	42.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.42%	
62) 4-Bromofluorobenzene	12.62	95	64725	38.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.02%	
Target Compounds						
20) Methylene Chloride	4.92	84	10426	3.421	ug/l	94
86) p-Isopropyltoluene	13.51	119	74345	15.659	ug/l	96

(#) = 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: VW007194.D

Acq: 04 Dec 2018 18:12

Instrument :

MSVOA_W

ClientSampled :

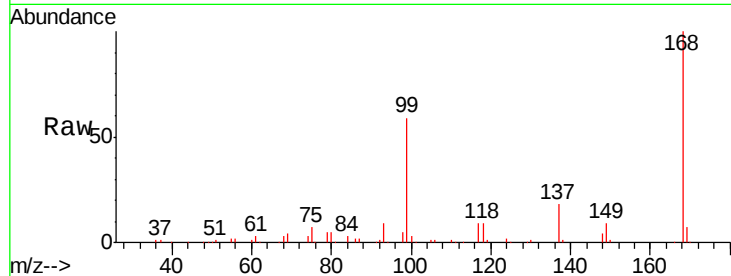
S5

Tgt Ion:168 Resp: 113443

Ion Ratio Lower Upper

168 100

99 58.6 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

60000

50000

40000

30000

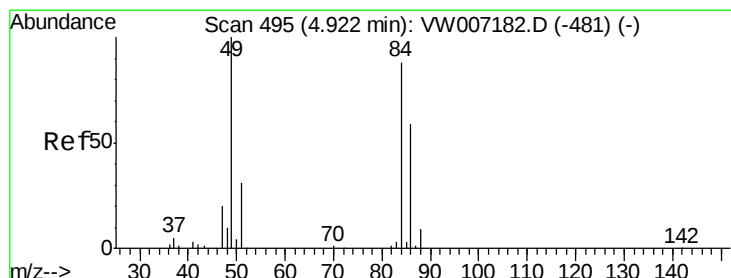
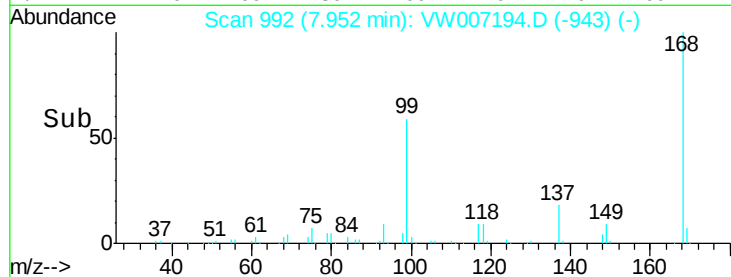
20000

10000

0

Time-->

7.90 8.00 8.10



#20

Methylene Chloride

Concen: 3.421 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW007194.D

Acq: 04 Dec 2018 18:12

Tgt Ion: 84 Resp: 10426

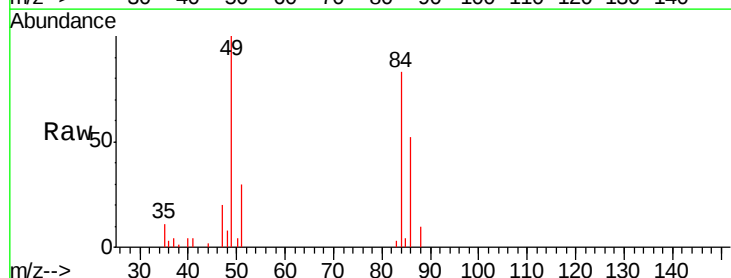
Ion Ratio Lower Upper

84 100

49 121.1 90.6 135.8

51 36.7 27.6 41.4

86 62.8 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

4.92

6000

5000

4000

3000

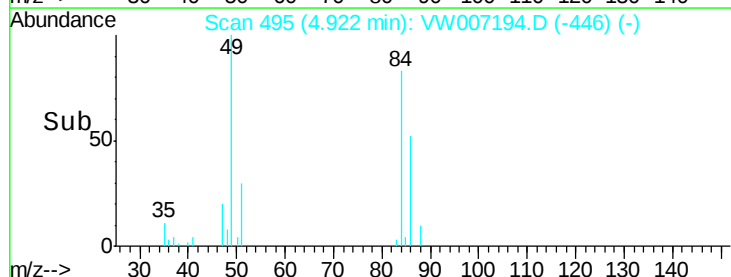
2000

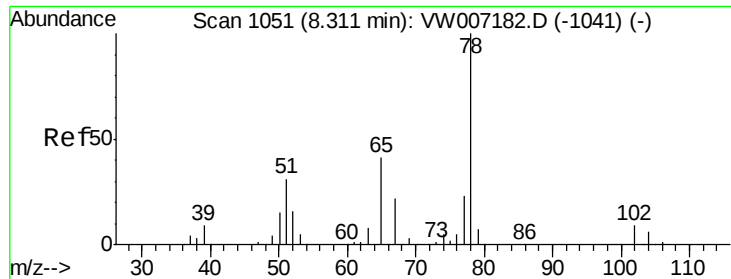
1000

0

Time-->

4.80 4.90 5.00

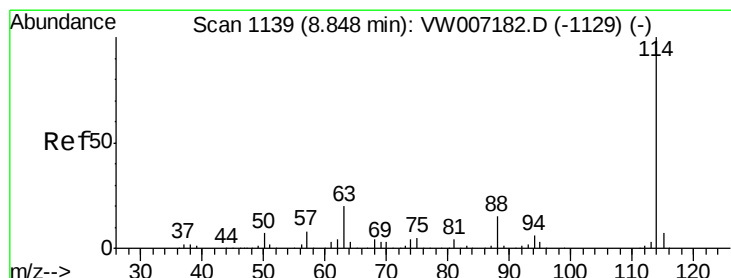
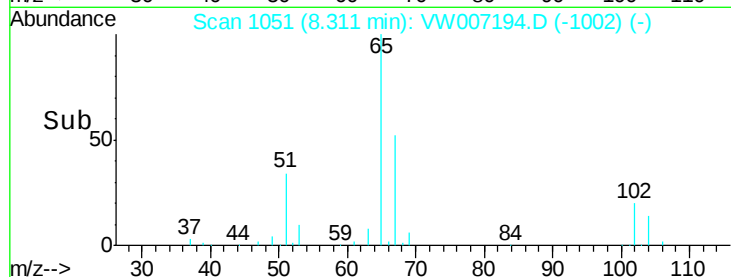
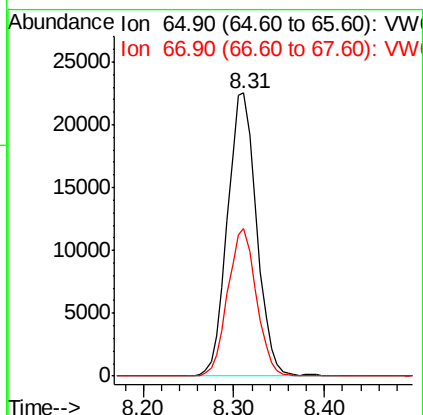
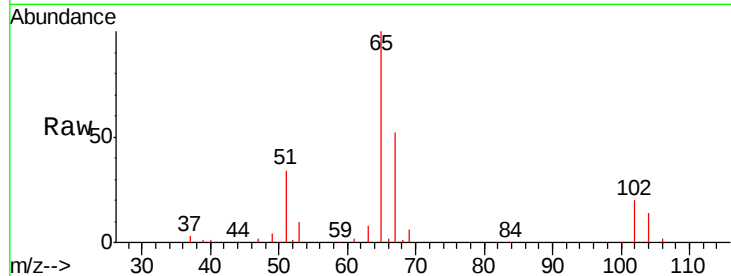




#33
 1,2-Dichloroethane-d4
 Concen: 47.578 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW007194.D
 Acq: 04 Dec 2018 18:12

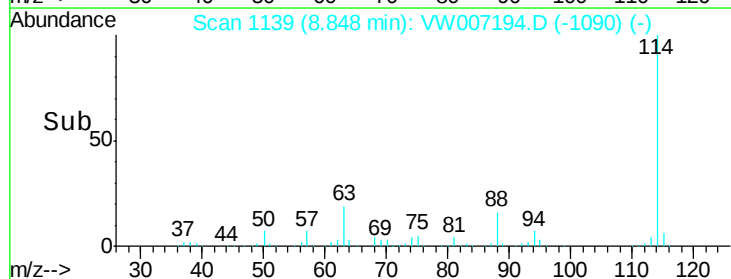
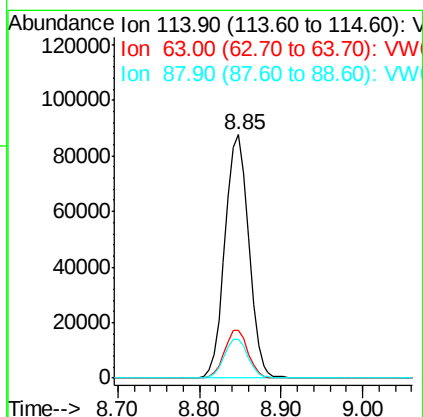
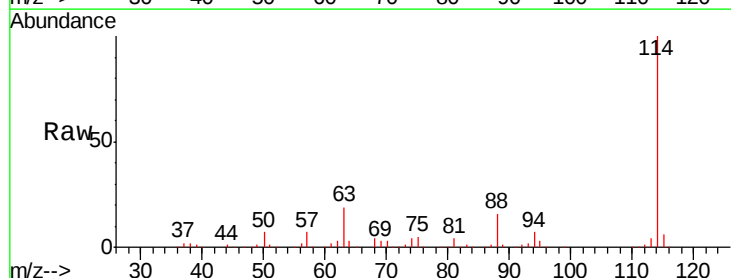
Instrument :
 MSVOA_W
 ClientSampled :
 S5

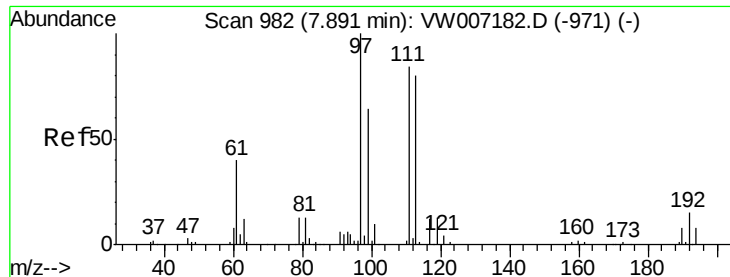
Tgt Ion: 65 Resp: 50252
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW007194.D
 Acq: 04 Dec 2018 18:12

Tgt Ion: 114 Resp: 176529
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.2
 88 15.9 0.0 30.0

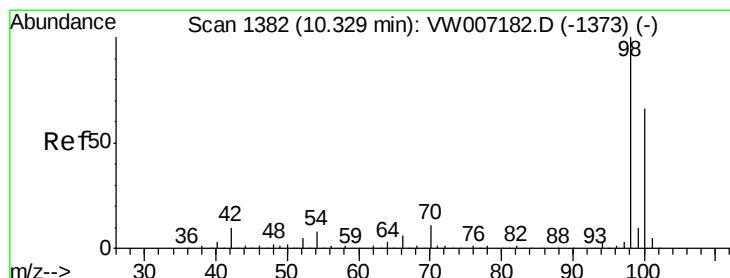
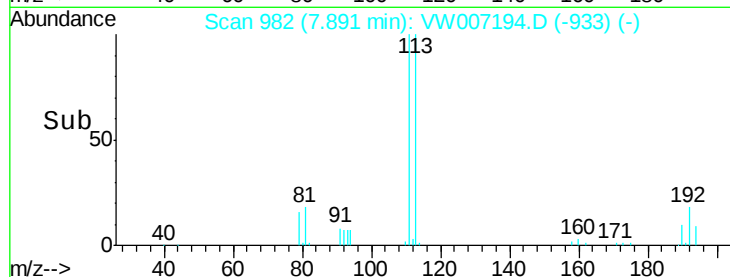
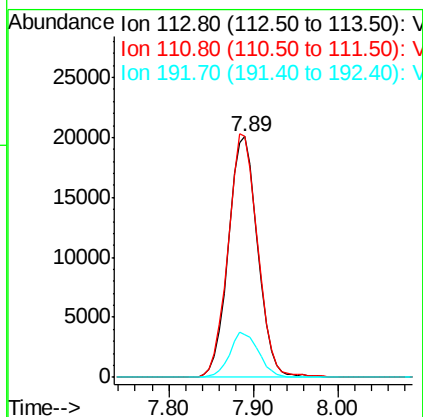
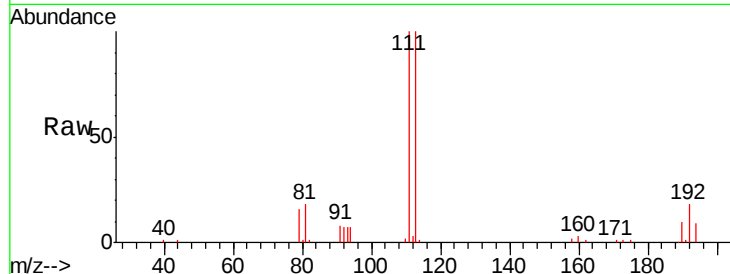




#35
 Dibromofluoromethane
 Concen: 46.691 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW007194.D
 Acq: 04 Dec 2018 18:12

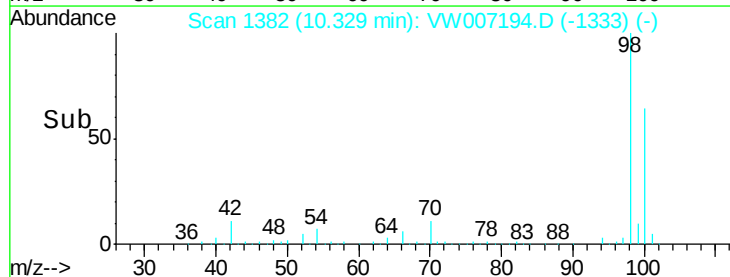
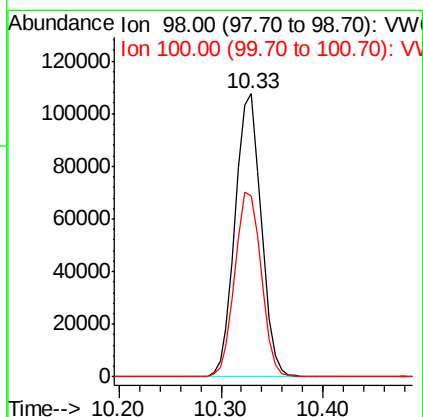
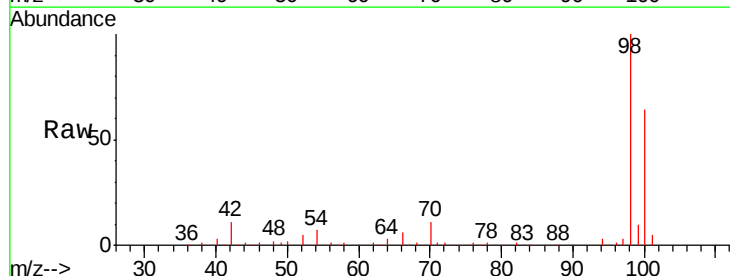
Instrument :
 MSVOA_W
 ClientSampled :
 S5

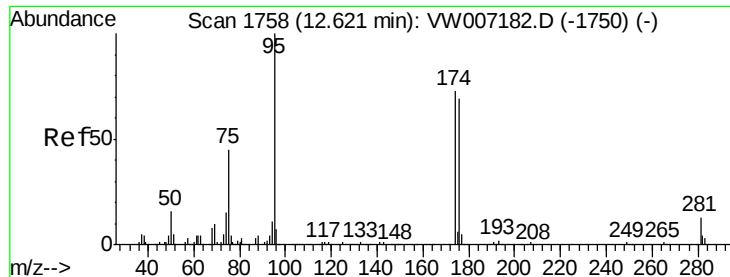
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.2	123.4
192	18.4	14.4	21.6



#50
 Toluene-d8
 Concen: 42.706 ug/l
 RT: 10.33 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VW007194.D
 Acq: 04 Dec 2018 18:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1





#62

4-Bromofluorobenzene

Concen: 38.513 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007194.D

Acq: 04 Dec 2018 18:12

Instrument :

MSVOA_W

ClientSampled :

S5

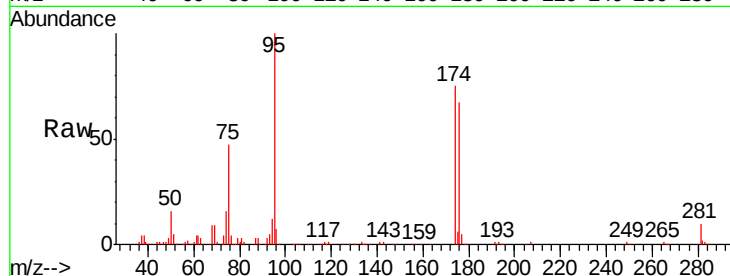
Tgt Ion: 95 Resp: 64725

Ion Ratio Lower Upper

95 100

174 75.3 0.0 148.0

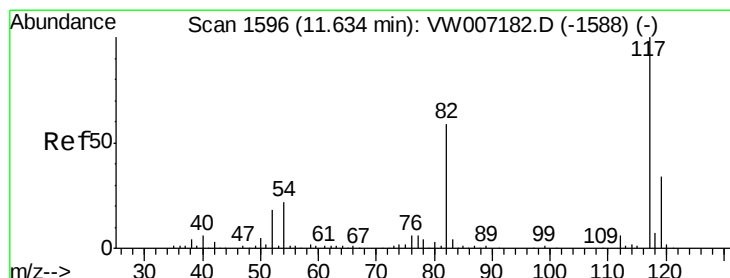
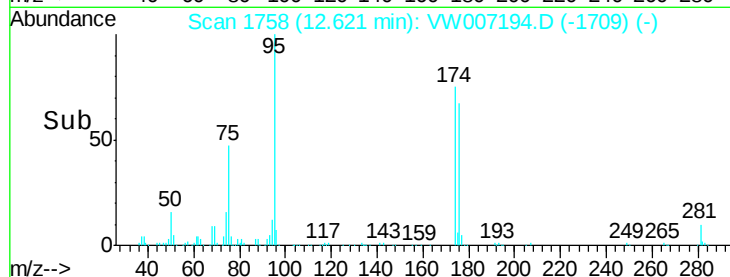
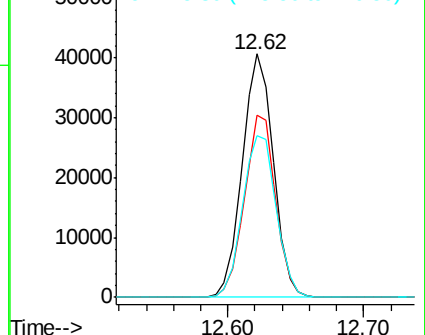
176 72.1 0.0 139.4



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: VW007194.D

Acq: 04 Dec 2018 18:12

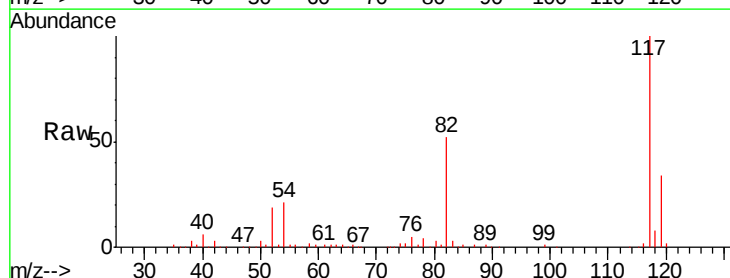
Tgt Ion: 117 Resp: 150923

Ion Ratio Lower Upper

117 100

82 51.7 47.4 71.2

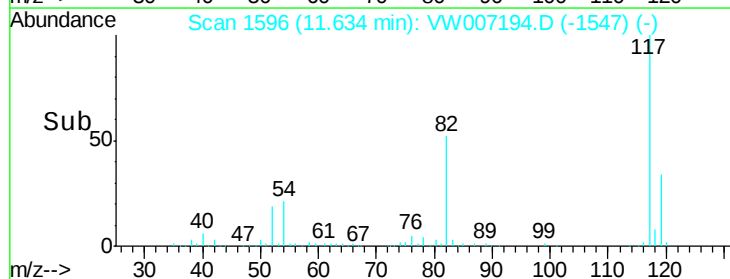
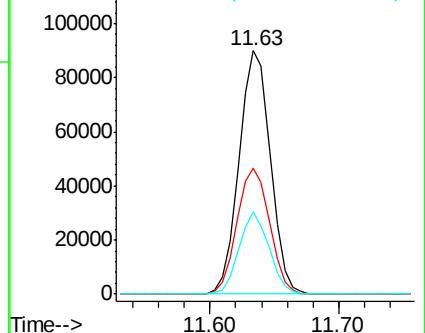
119 33.9 26.8 40.2

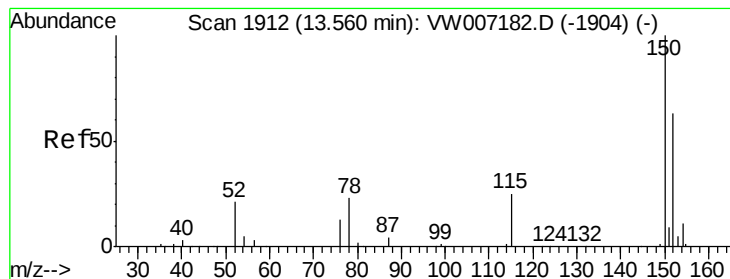


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007194.D

Acq: 04 Dec 2018 18:12

Instrument :

MSVOA_W

ClientSampleId :

S5

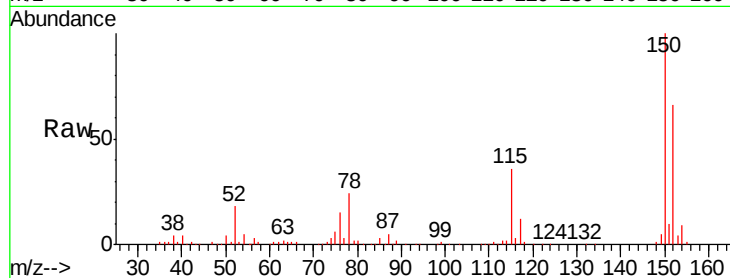
Tgt Ion:152 Resp: 61441

Ion Ratio Lower Upper

152 100

115 59.1 31.3 93.8

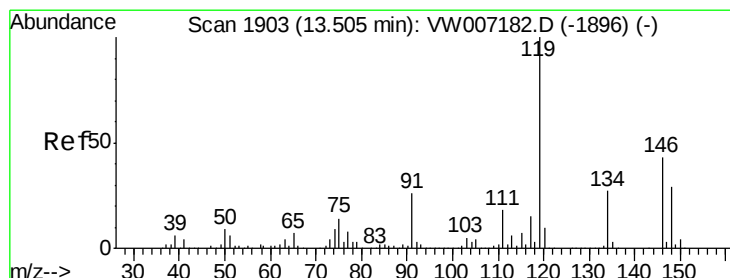
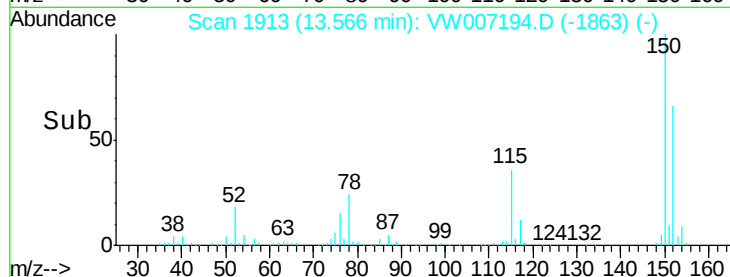
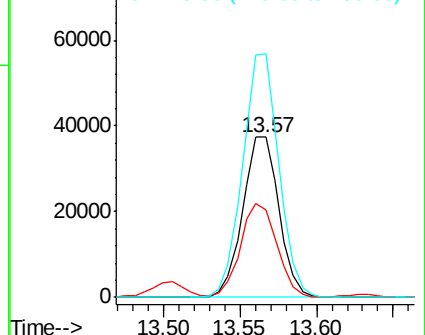
150 152.2 0.0 358.0



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



#86

p-Isopropyltoluene

Concen: 15.659 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW007194.D

Acq: 04 Dec 2018 18:12

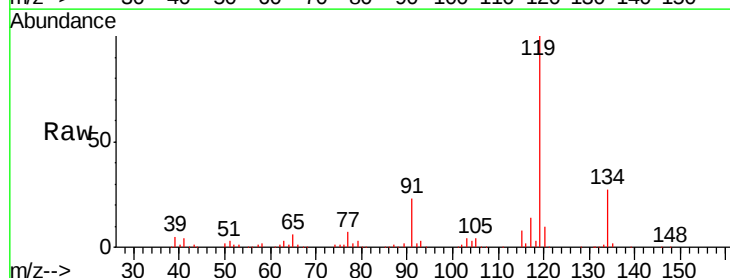
Tgt Ion:119 Resp: 74345

Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.6

91 29.0 12.4 37.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

