

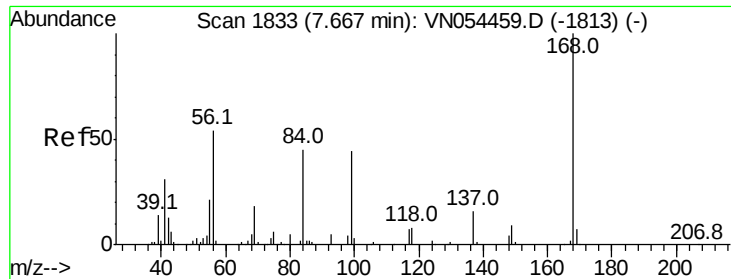
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054517.D
 Acq On : 21 Mar 2019 18:00
 Operator : JC/SP
 Sample : K1965-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-HN-MW24IR-20190315

Quant Time: Mar 22 10:45:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	459068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	847476	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	899062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	344453	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	310434	54.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.74%	
35) Dibromofluoromethane	7.59	113	263824	48.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.64%	
50) Toluene-d8	10.09	98	1094081	53.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.60%	
62) 4-Bromofluorobenzene	12.40	95	426866	61.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.24%	
Target Compounds						
7) Trichlorofluoromethane	3.03	101	9203	1.264	ug/l	94
12) 1,1-Dichloroethene	3.73	96	3718	0.840	ug/l	88
19) Methyl tert-butyl Ether	5.06	73	15703	1.215	ug/l	98
24) 1,1-Dichloroethane	5.85	63	5514	0.623	ug/l #	80
44) Trichloroethene	8.83	130	22939	3.641	ug/l	92
64) Tetrachloroethene	10.63	164	18836	2.526	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054517.D

Acq: 21 Mar 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

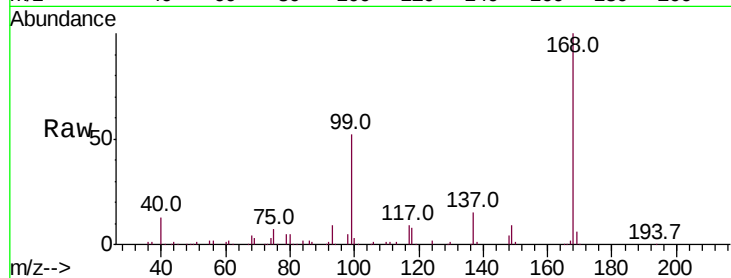
BP-HN-MW24IR-20190315

Tot Ion:168 Resp: 459068

Ion Ratio Lower Upper

168 100

99 52.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

200000

150000

100000

50000

0

Time-->

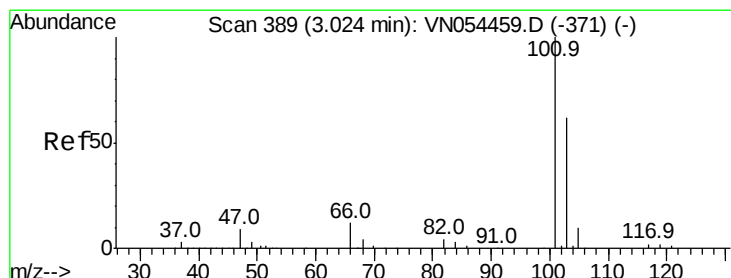
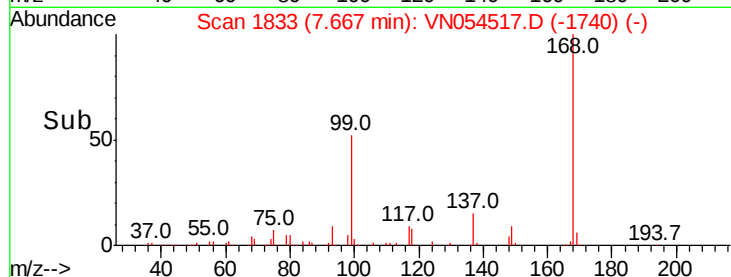
7.60

7.70

7.80

7.90

8.00



#7

Trichlorofluoromethane

Concen: 1.264 ug/l

RT: 3.03 min Scan# 390

Delta R.T. 0.00 min

Lab File: VN054517.D

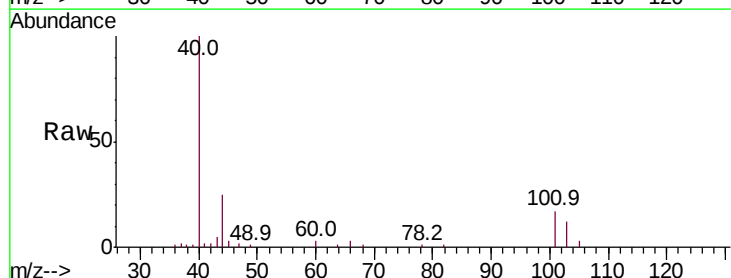
Acq: 21 Mar 2019 18:00

Tgt Ion:101 Resp: 9203

Ion Ratio Lower Upper

101 100

103 68.9 51.4 77.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.03

4000

3000

2000

1000

0

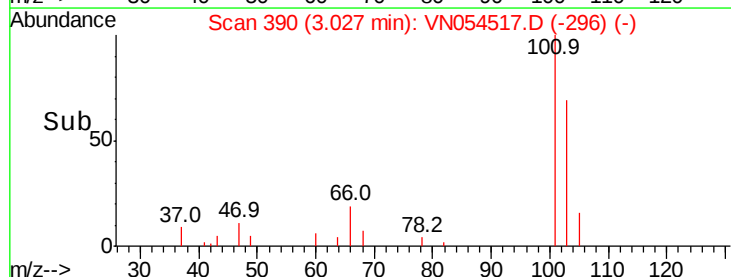
Time-->

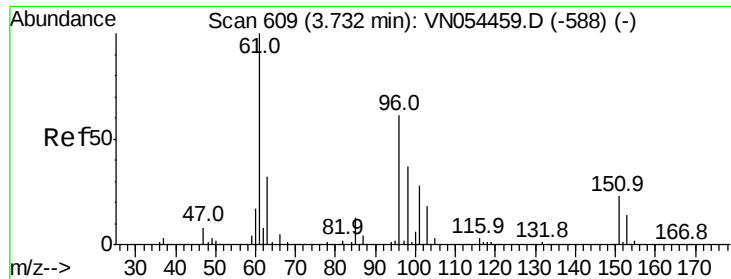
2.95

3.00

3.05

3.10

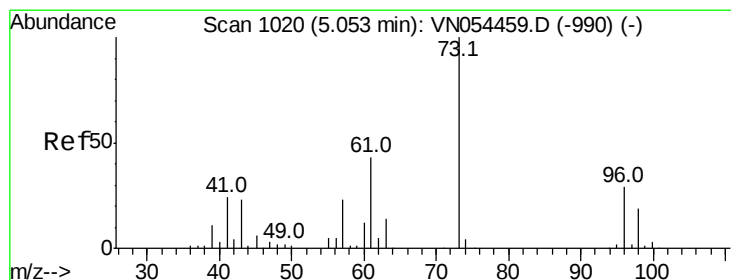
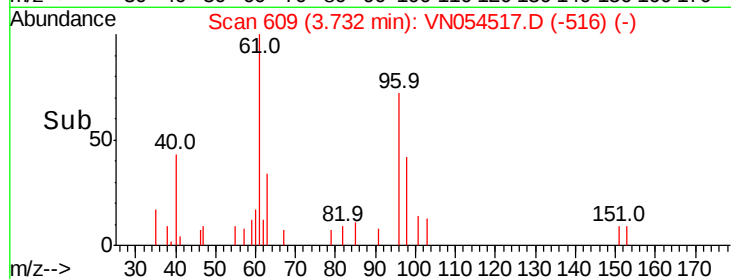
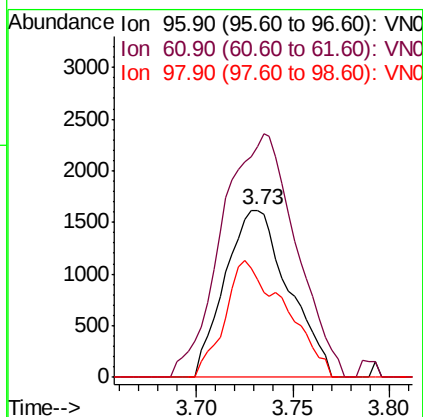
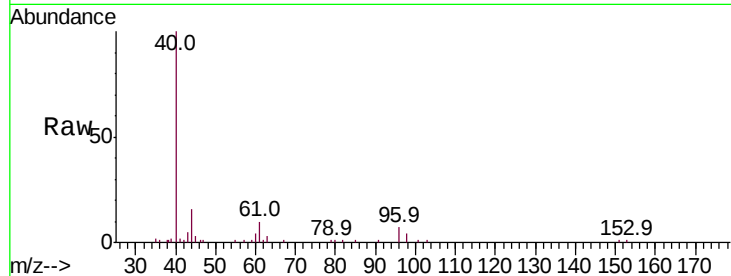




#12
 1,1-Dichloroethene
 Concen: 0.840 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054517.D
 Acq: 21 Mar 2019 18:00

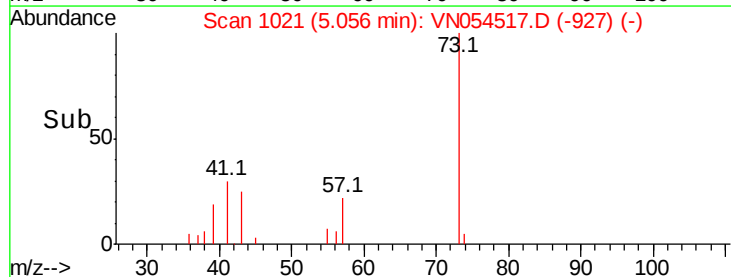
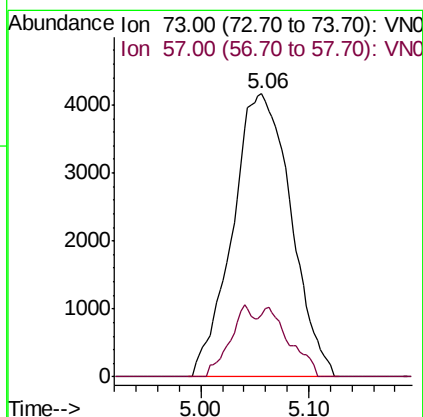
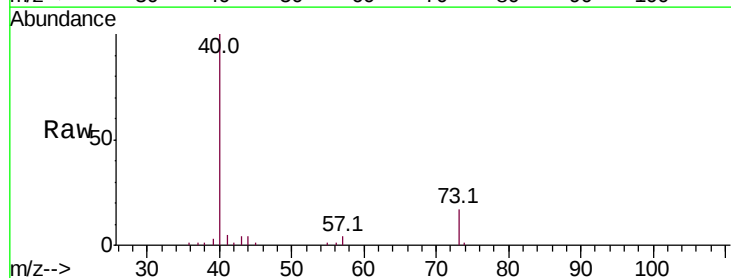
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-HN-MW24IR-20190315

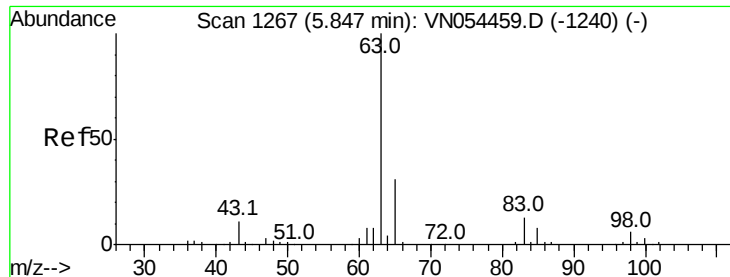
Tot Ion: 96 Resp: 3718
 Ion Ratio Lower Upper
 96 100
 61 127.1 116.5 174.7
 98 58.3 51.0 76.4



#19
 Methyl tert-butyl Ether
 Concen: 1.215 ug/l
 RT: 5.06 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: VN054517.D
 Acq: 21 Mar 2019 18:00

Tgt Ion: 73 Resp: 15703
 Ion Ratio Lower Upper
 73 100
 57 22.0 16.8 25.2





#24

1,1-Dichloroethane

Concen: 0.623 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VN054517.D

Acq: 21 Mar 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

BP-HN-MW24IR-20190315

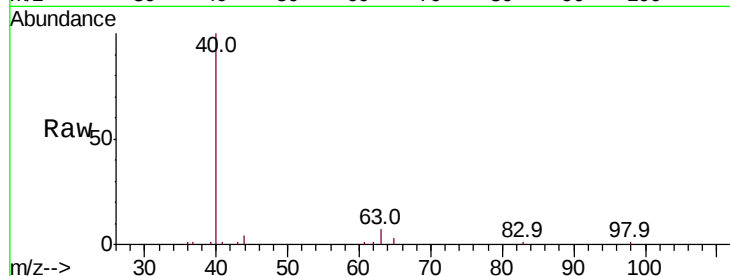
Tot Ion: 63 Resp: 5514

Ion Ratio Lower Upper

63 100

98 15.2 3.5 10.5#

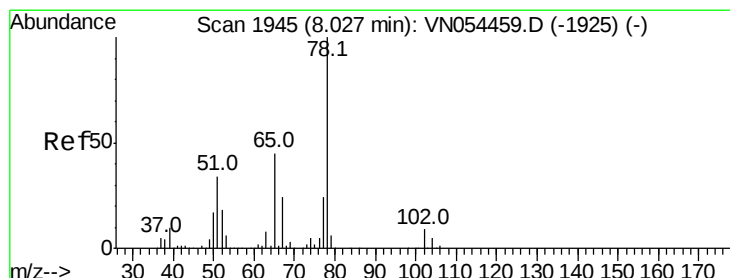
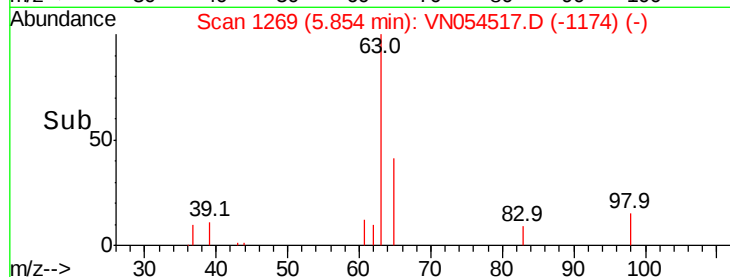
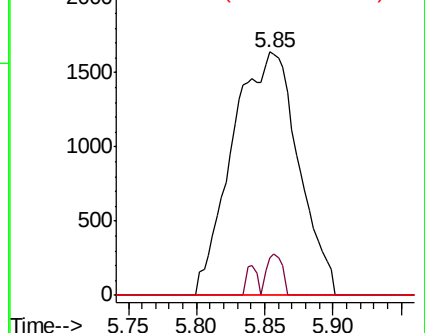
100 0.0 2.0 6.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 54.366 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054517.D

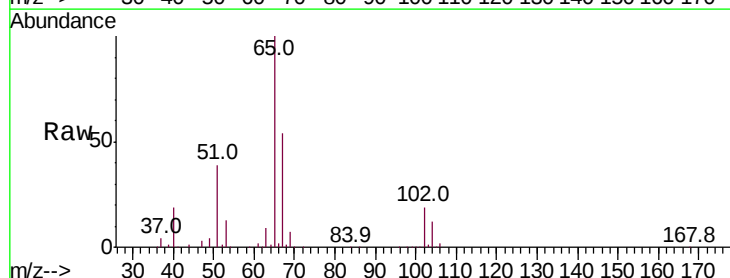
Acq: 21 Mar 2019 18:00

Tgt Ion: 65 Resp: 310434

Ion Ratio Lower Upper

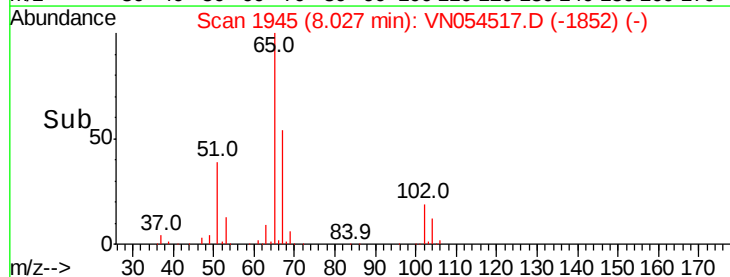
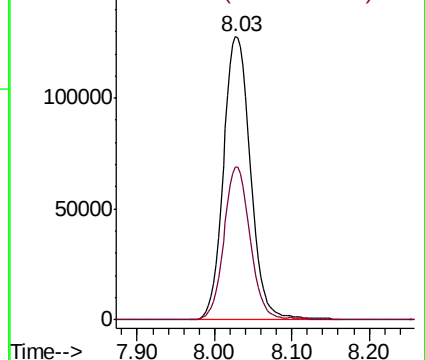
65 100

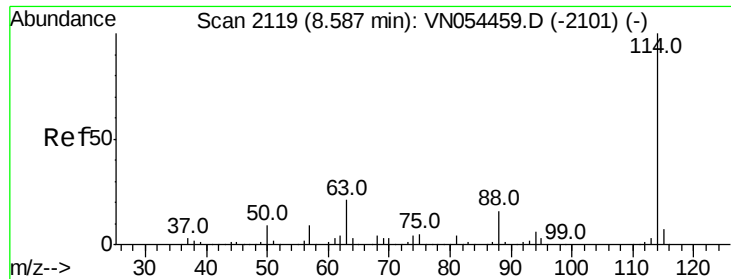
67 52.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

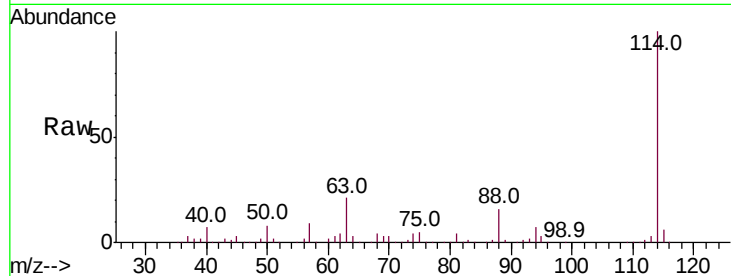




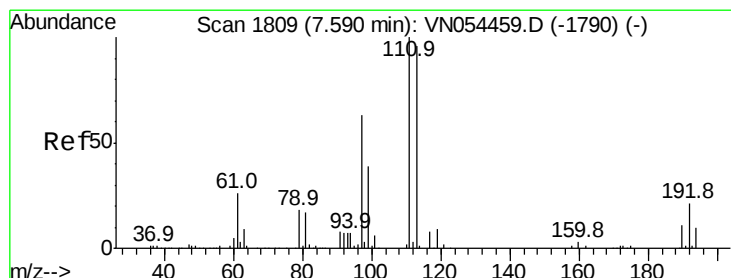
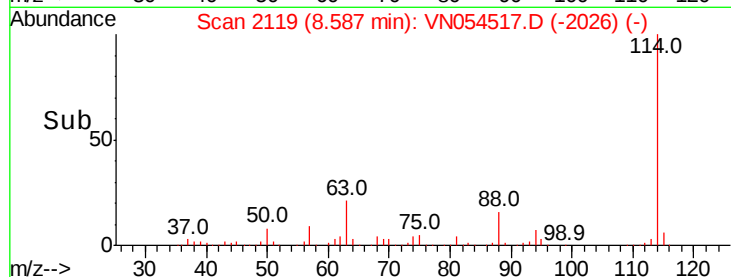
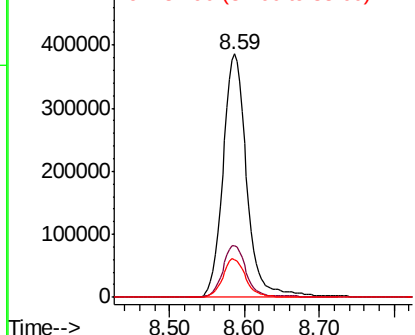
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054517.D
 Acq: 21 Mar 2019 18:00

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-HN-MW24IR-20190315

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	35.2
88	15.7	0.0	30.2

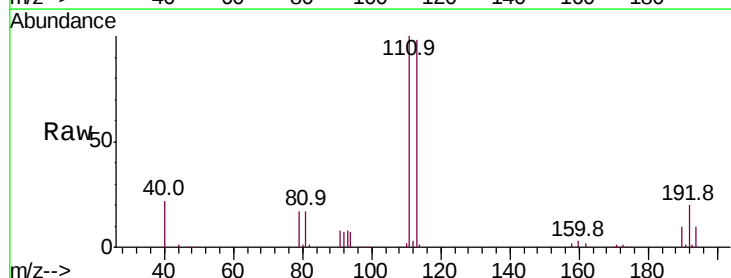


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

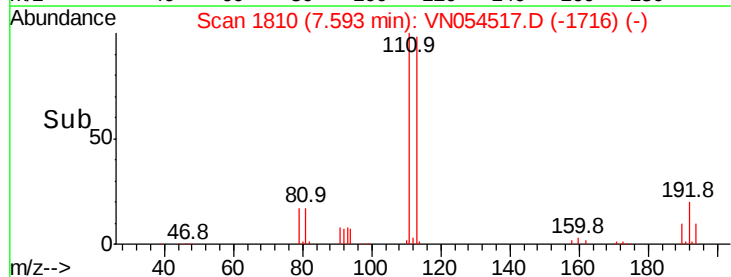
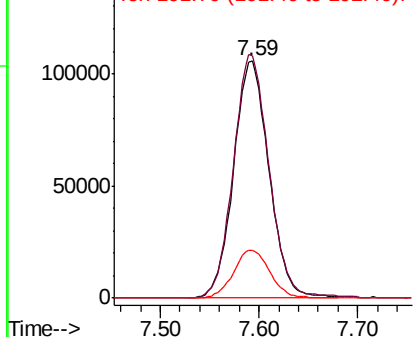


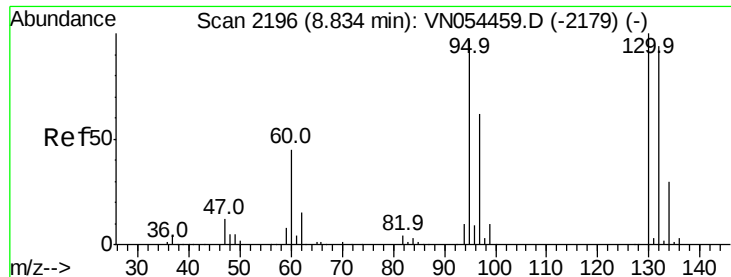
#35
 Dibromofluoromethane
 Concen: 48.321 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054517.D
 Acq: 21 Mar 2019 18:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.2	123.4
192	20.7	19.2	28.8



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

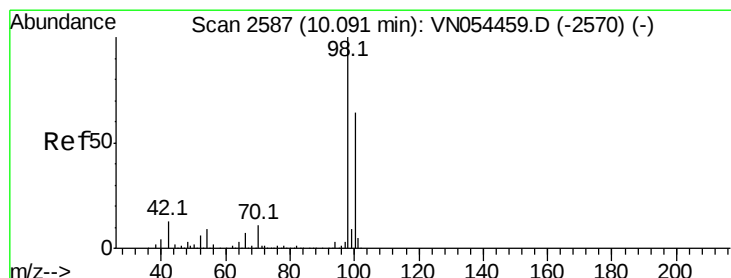
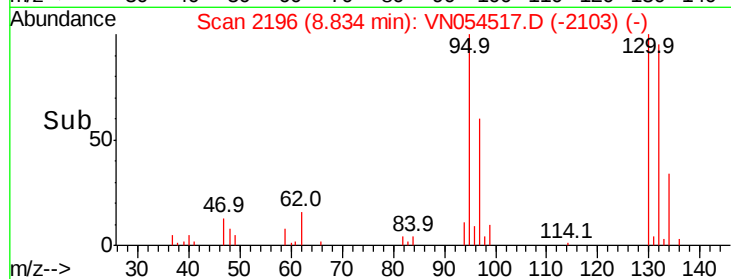
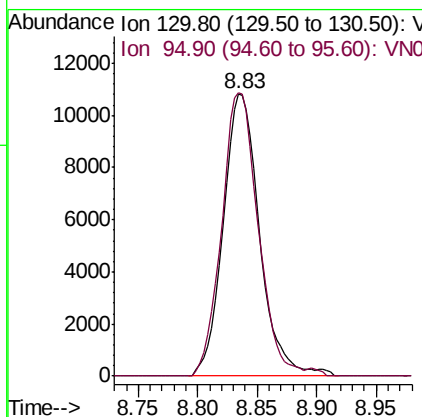
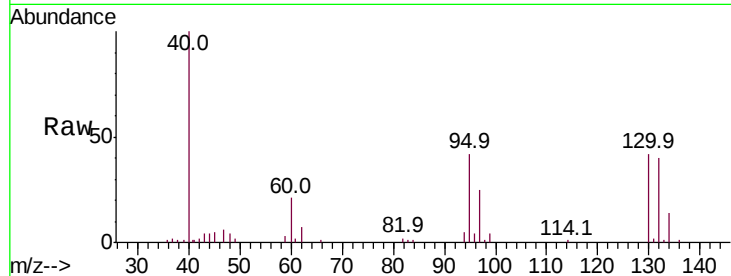




#44
 Trichloroethene
 Concen: 3.641 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054517.D
 Acq: 21 Mar 2019 18:00

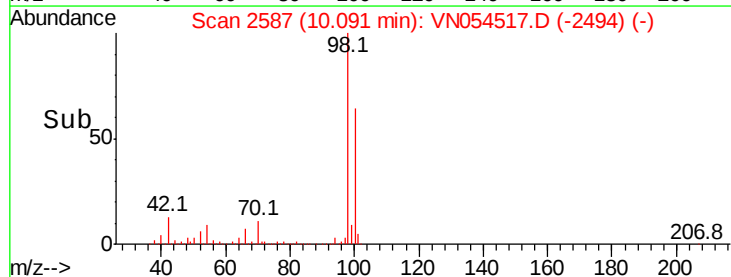
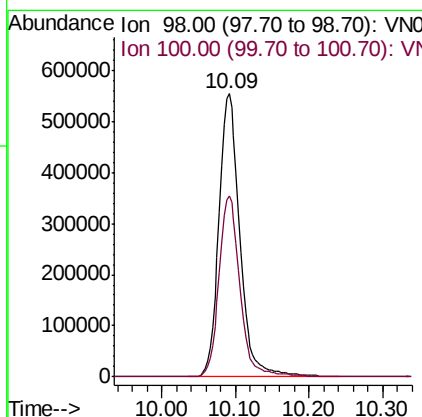
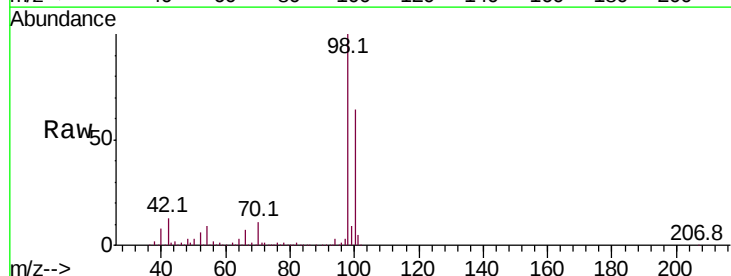
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-HN-MW24IR-20190315

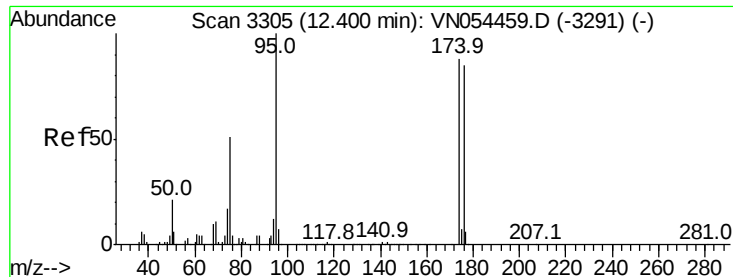
Tot Ion:130 Resp: 22939
 Ion Ratio Lower Upper
 130 100
 95 100.2 0.0 185.2



#50
 Toluene-d8
 Concen: 53.303 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054517.D
 Acq: 21 Mar 2019 18:00

Tgt Ion: 98 Resp: 1094081
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 61.116 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054517.D

Acq: 21 Mar 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

BP-HN-MW24IR-20190315

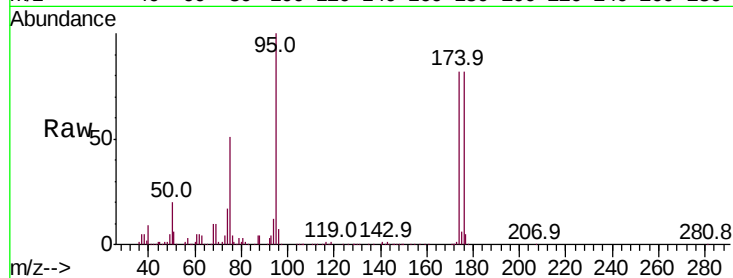
Tot Ion: 95 Resp: 426866

Ion Ratio Lower Upper

95 100

174 84.1 0.0 191.0

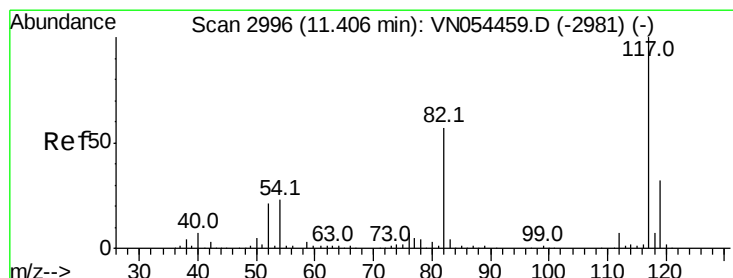
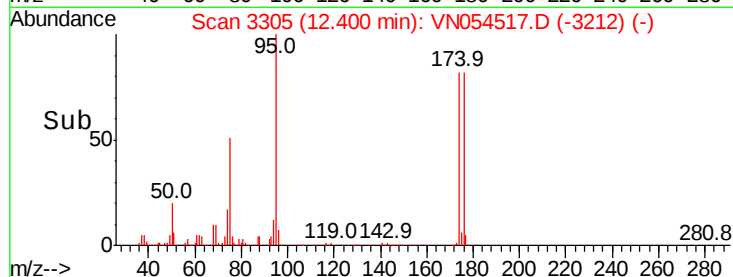
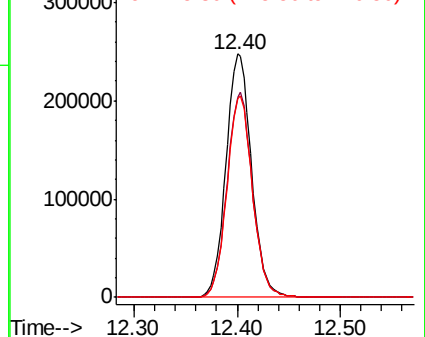
176 82.9 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054517.D

Acq: 21 Mar 2019 18:00

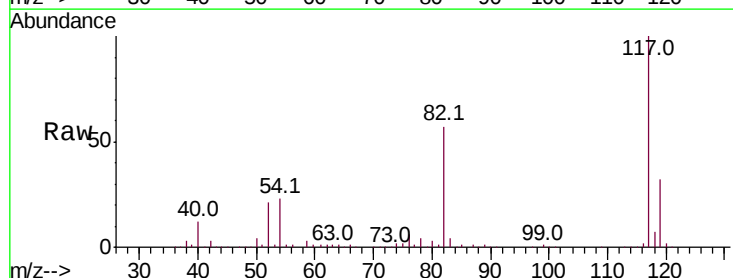
Tgt Ion: 117 Resp: 899062

Ion Ratio Lower Upper

117 100

82 57.3 40.0 60.0

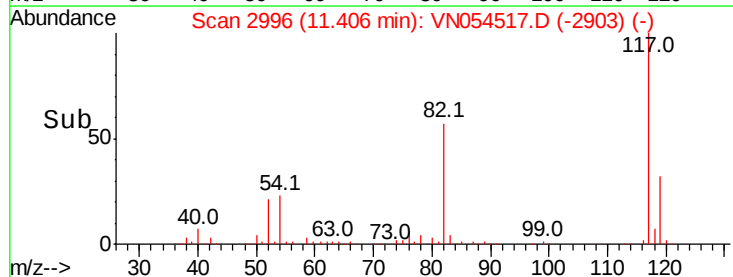
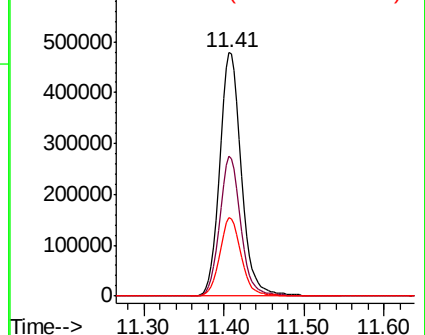
119 32.2 25.8 38.6

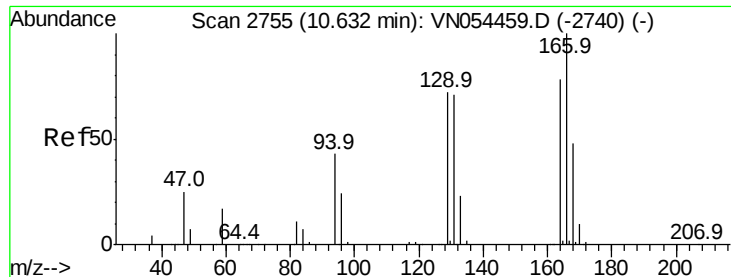


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#64

Tetrachloroethene

Concen: 2.526 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054517.D

Acq: 21 Mar 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

BP-HN-MW24IR-20190315

Tot Ion:164 Resp: 18836

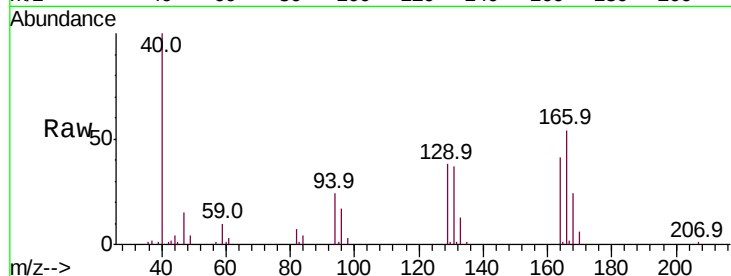
Ion Ratio Lower Upper

164 100

166 129.7 103.9 155.9

129 91.1 71.1 106.7

131 88.9 68.2 102.4

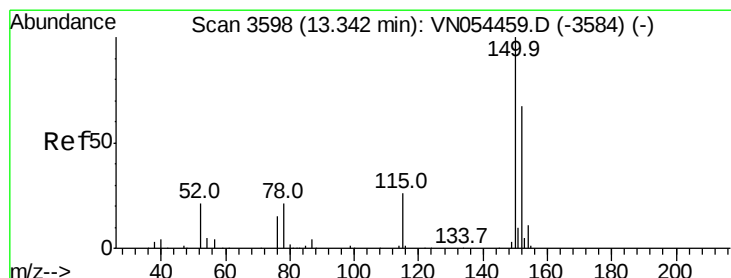
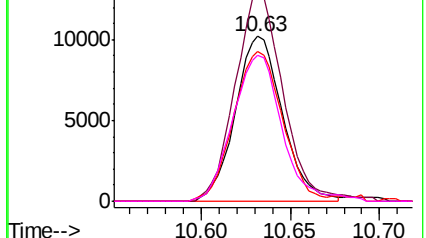
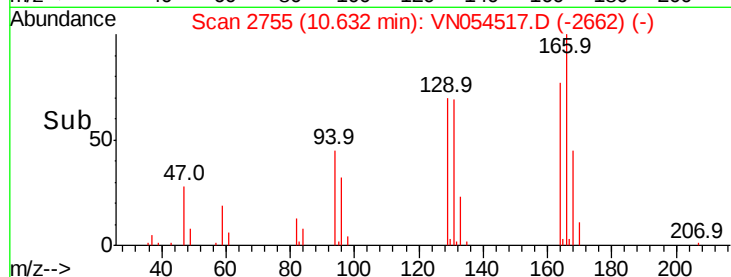


Abundance Ion 163.80 (163.50 to 164.50): V

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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054517.D

Acq: 21 Mar 2019 18:00

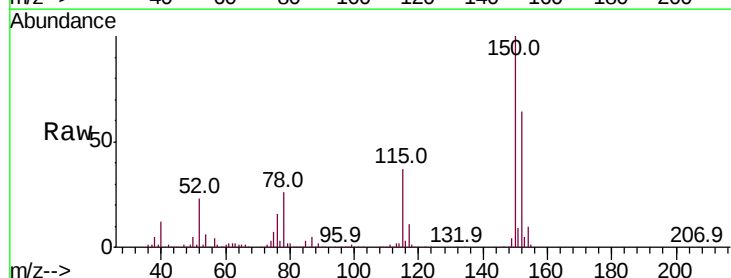
Tgt Ion:152 Resp: 344453

Ion Ratio Lower Upper

152 100

115 57.7 27.2 81.6

150 155.9 0.0 349.2



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

