

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054827.D
 Acq On : 31 Mar 2019 3:04
 Operator : JC/SP
 Sample : K2164-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: Mar 31 05:08:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

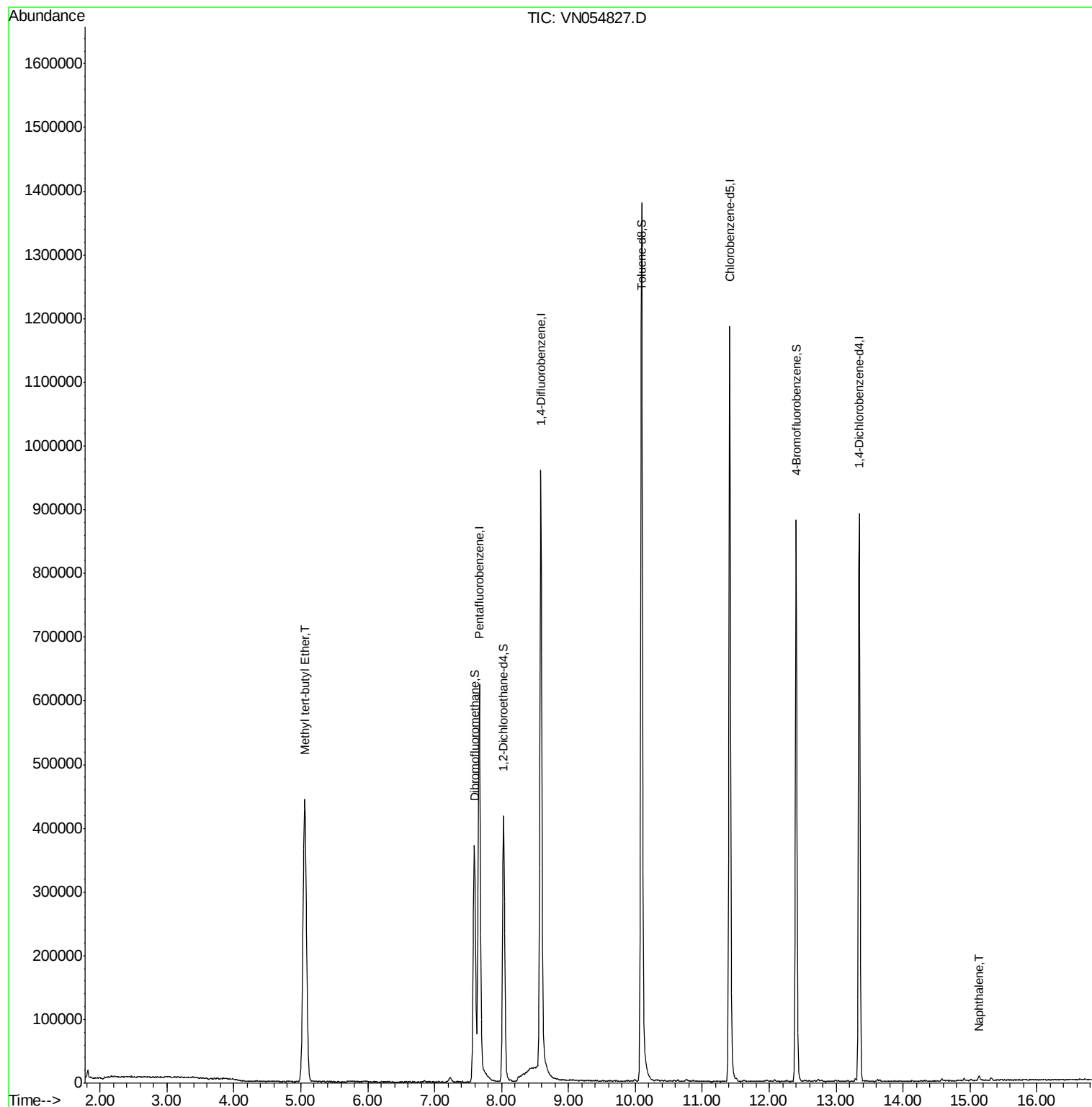
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	523257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	861701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	704933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	241902	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	351396	49.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.64%	
35) Dibromofluoromethane	7.59	113	277315	48.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.54%	
50) Toluene-d8	10.09	98	1020426	47.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.56%	
62) 4-Bromofluorobenzene	12.40	95	298438	42.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.02%	
Target Compounds						
19) Methyl tert-butyl Ether	5.06	73	706234	49.086	ug/l	94
95) Naphthalene	15.13	128	5831	0.669	ug/l	99

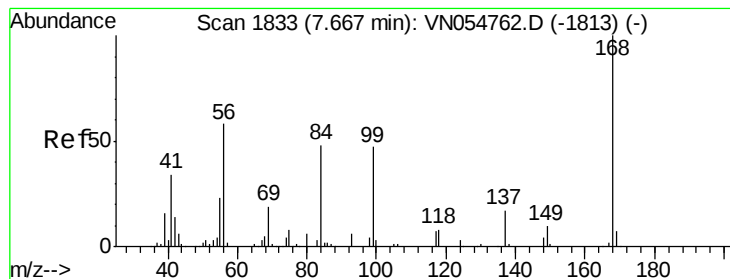
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054827.D

Acq: 31 Mar 2019 3:04

Instrument :

MSVOA_N

ClientSampled :

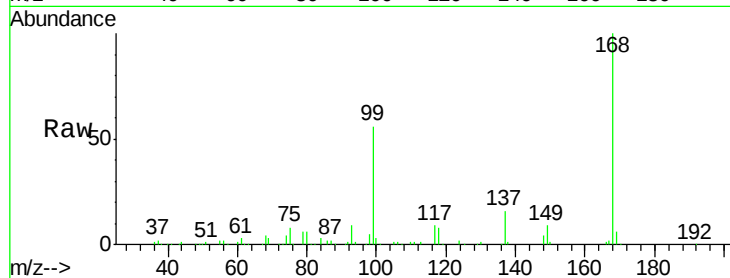
MW-4

Tot Ion:168 Resp: 523257

Ion Ratio Lower Upper

168 100

99 55.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054827.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN054827.D (-1740) (-)

7.67

250000

200000

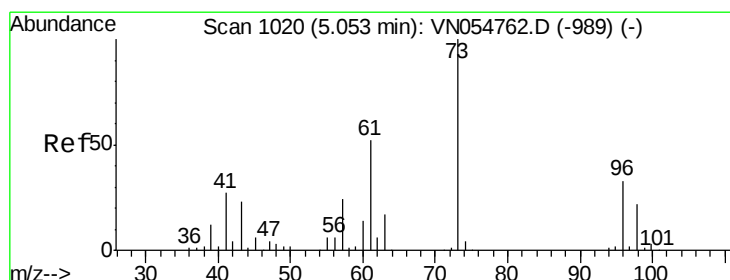
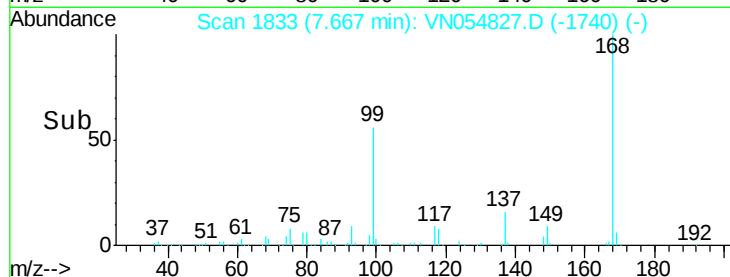
150000

100000

50000

0

Time-->



#19

Methyl tert-butyl Ether

Concen: 49.086 ug/l

RT: 5.06 min Scan# 1022

Delta R.T. 0.01 min

Lab File: VN054827.D

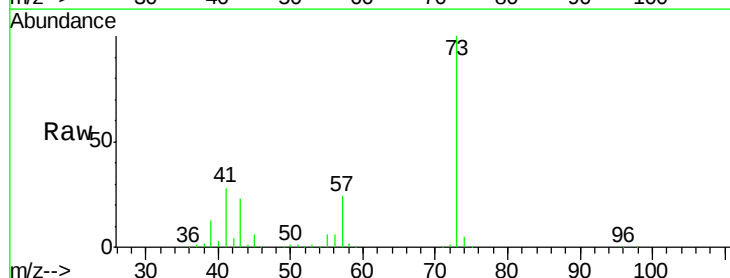
Acq: 31 Mar 2019 3:04

Tgt Ion: 73 Resp: 706234

Ion Ratio Lower Upper

73 100

57 23.7 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VN054827.D (-927) (-)

Ion 57.00 (56.70 to 57.70): VN054827.D (-927) (-)

5.06

200000

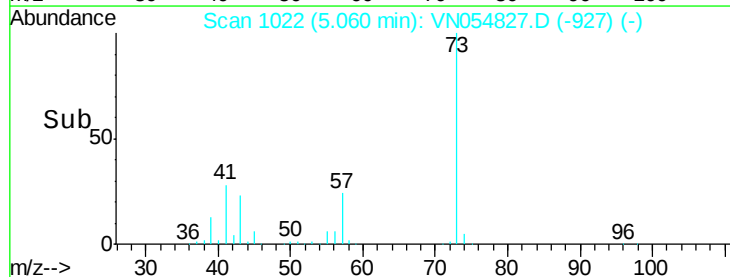
150000

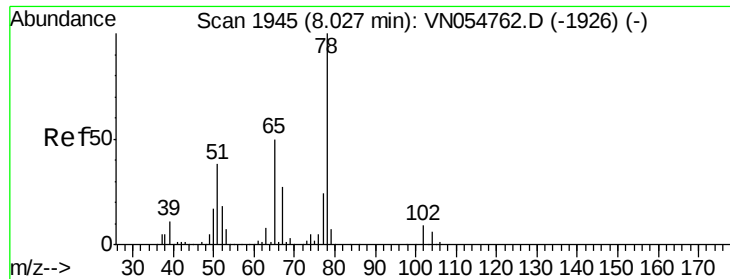
100000

50000

0

Time-->

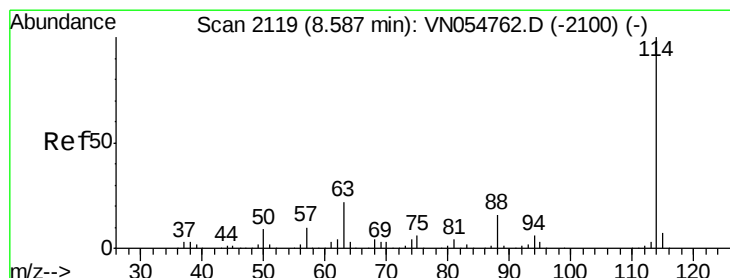
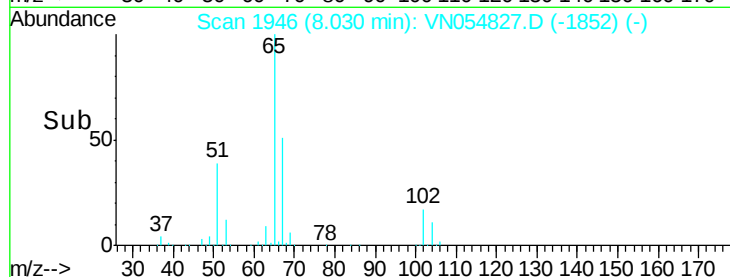
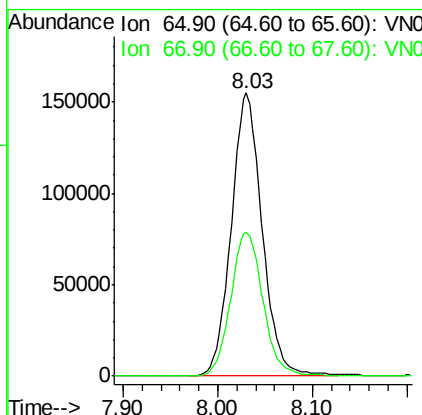
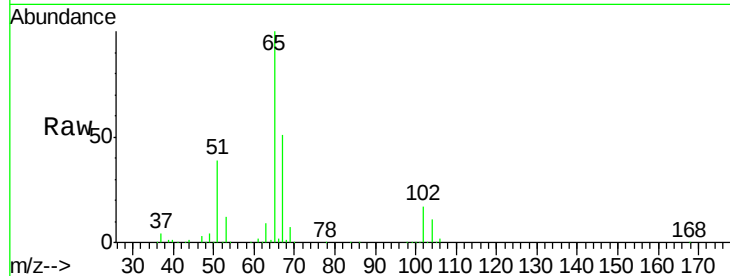




#33
 1,2-Dichloroethane-d4
 Concen: 49.818 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054827.D
 Acq: 31 Mar 2019 3:04

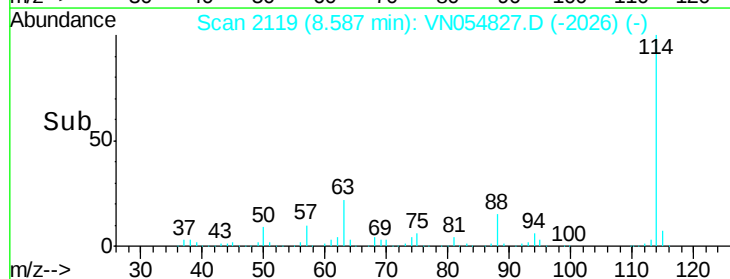
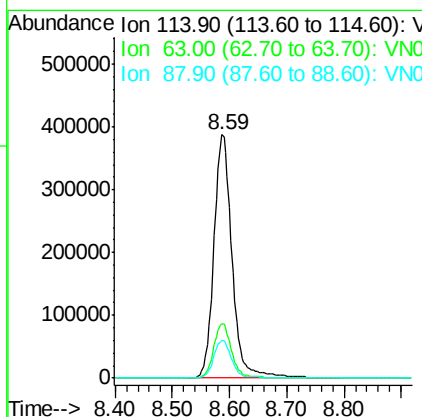
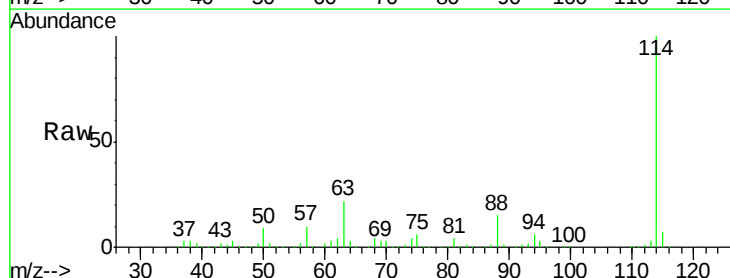
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

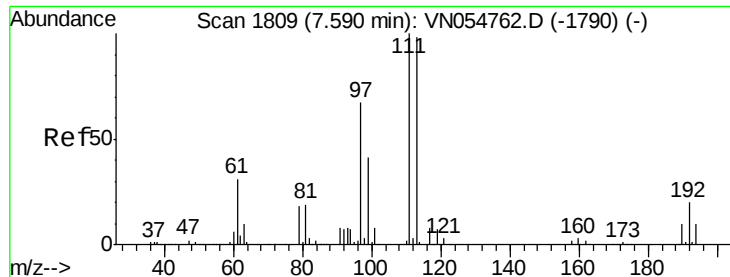
Tot Ion: 65 Resp: 351396
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054827.D
 Acq: 31 Mar 2019 3:04

Tgt Ion: 114 Resp: 861701
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 35.2
 88 15.5 0.0 30.2

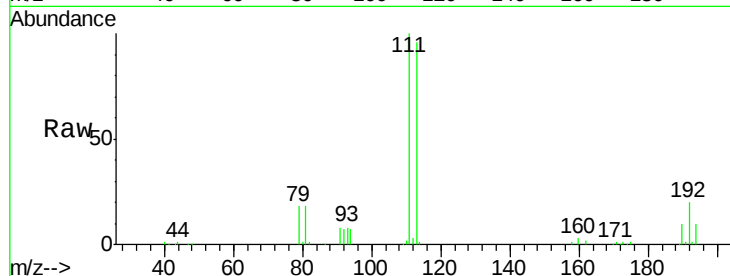




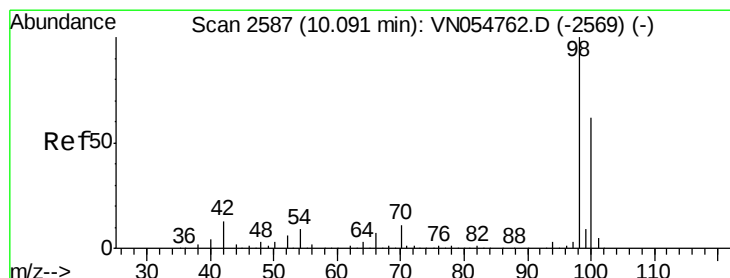
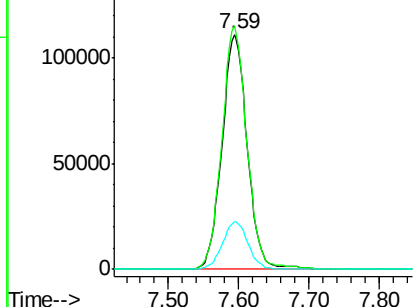
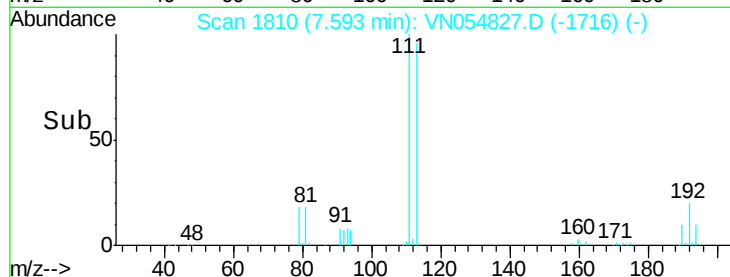
#35
Dibromofluoromethane
Concen: 48.272 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054827.D
Acq: 31 Mar 2019 3:04

Instrument :
MSVOA_N
ClientSampled :
MW-4

Tot Ion:113 Resp: 277315
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 20.4 19.2 28.8

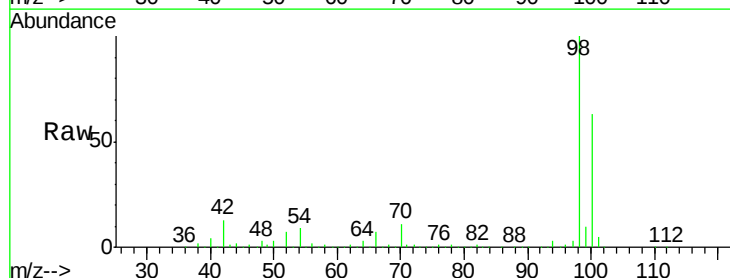


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

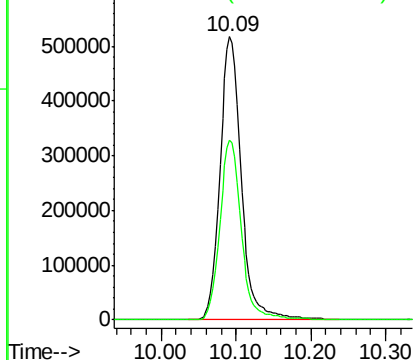
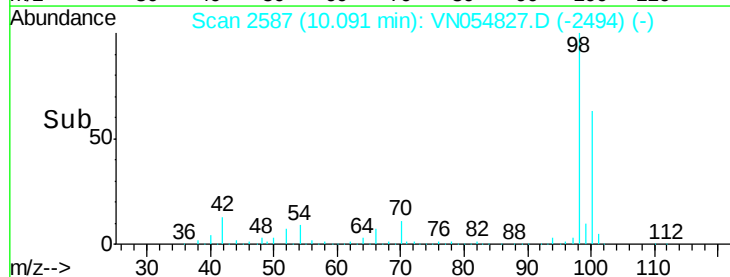


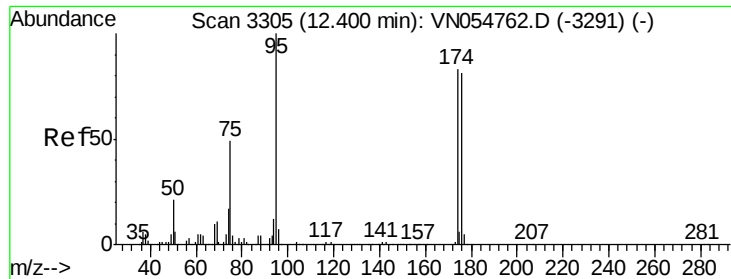
#50
Toluene-d8
Concen: 47.777 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054827.D
Acq: 31 Mar 2019 3:04

Tgt Ion: 98 Resp: 1020426
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 42.014 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054827.D

Acq: 31 Mar 2019 3:04

Instrument :

MSVOA_N

ClientSampleId :

MW-4

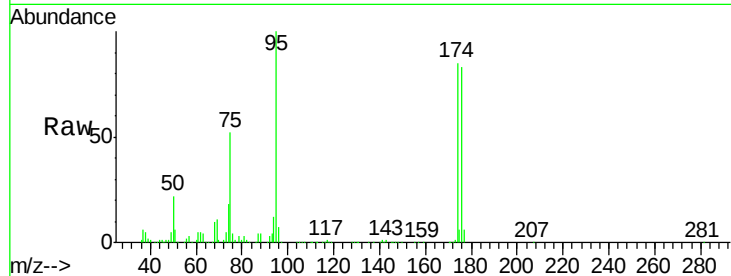
Tot Ion: 95 Resp: 298438

Ion Ratio Lower Upper

95 100

174 86.0 0.0 191.0

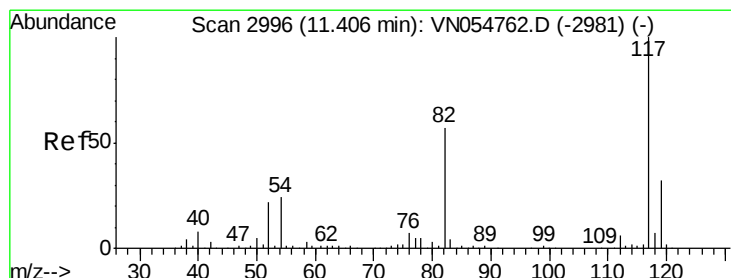
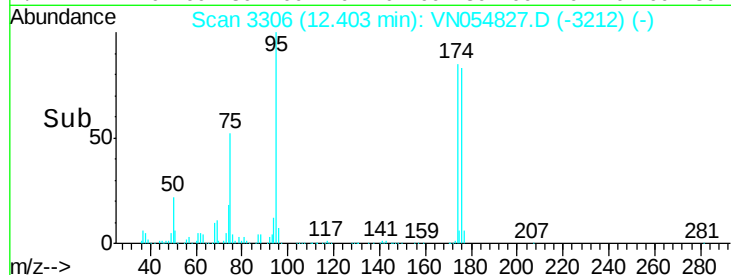
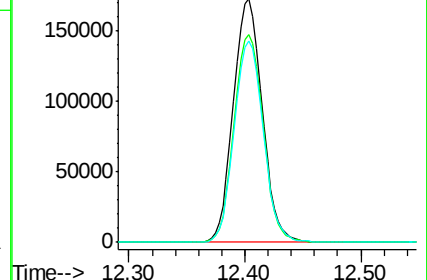
176 83.0 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054827.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN054827.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN054827.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054827.D

Acq: 31 Mar 2019 3:04

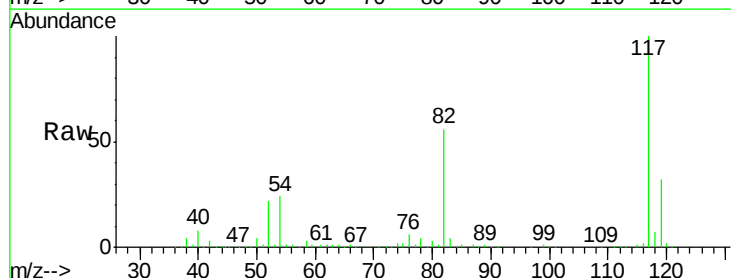
Tgt Ion: 117 Resp: 704933

Ion Ratio Lower Upper

117 100

82 56.2 40.0 60.0

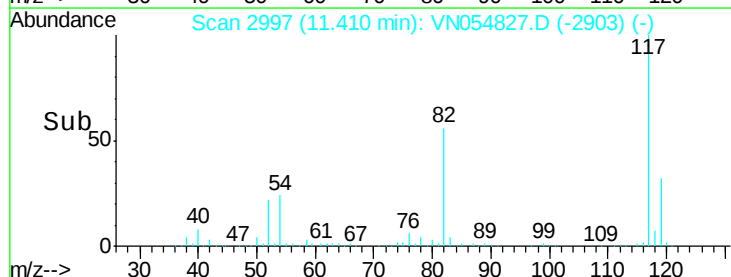
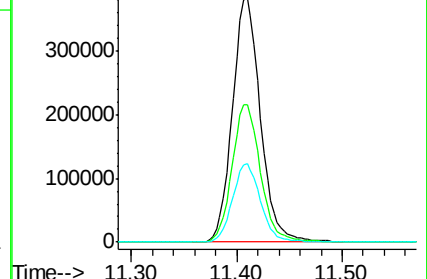
119 32.0 25.8 38.6

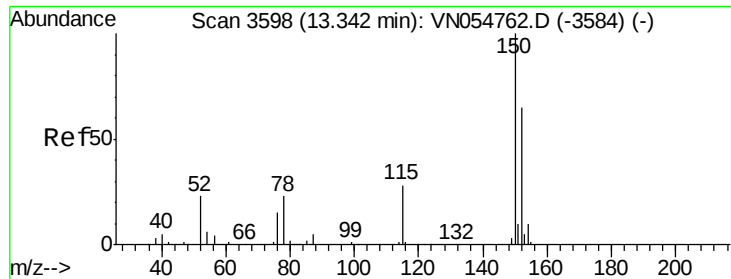


Abundance Ion 116.90 (116.60 to 117.60): VN054827.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054827.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054827.D (-2903) (-)



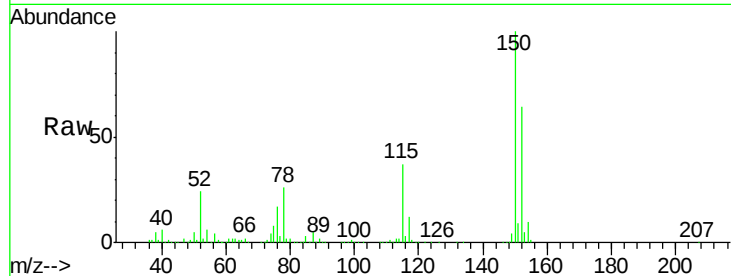


#72

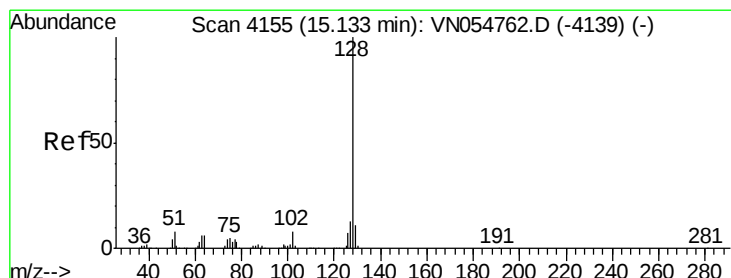
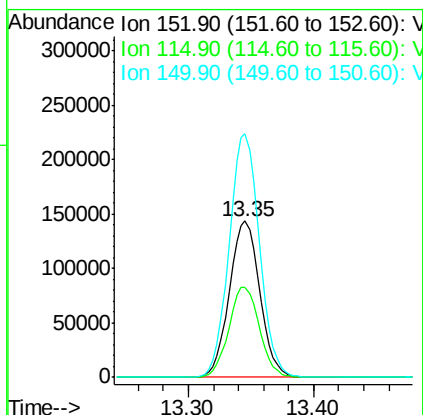
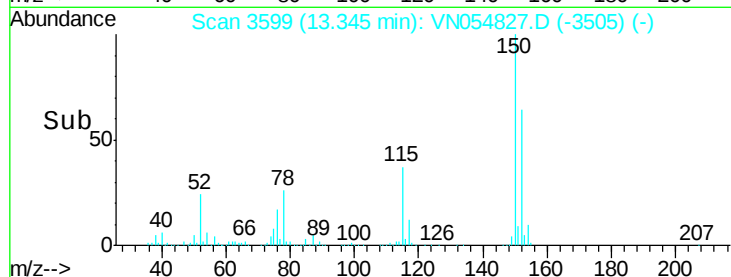
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054827.D
Acq: 31 Mar 2019 3:04

Instrument :
MSVOA_N
ClientSampleId :
MW-4

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.2	27.2	81.6
150	154.6	0.0	349.2



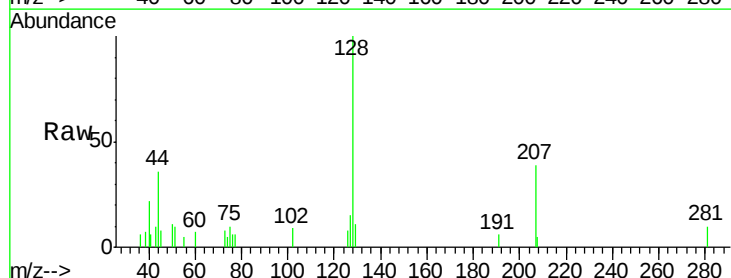
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene
Concen: 0.669 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN054827.D
Acq: 31 Mar 2019 3:04

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	11.3	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

