

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN033119\
 Data File : VN054859.D
 Acq On : 31 Mar 2019 19:04
 Operator : JC/SP
 Sample : K2180-24
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10D

Quant Time: Apr 01 04:23:24 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

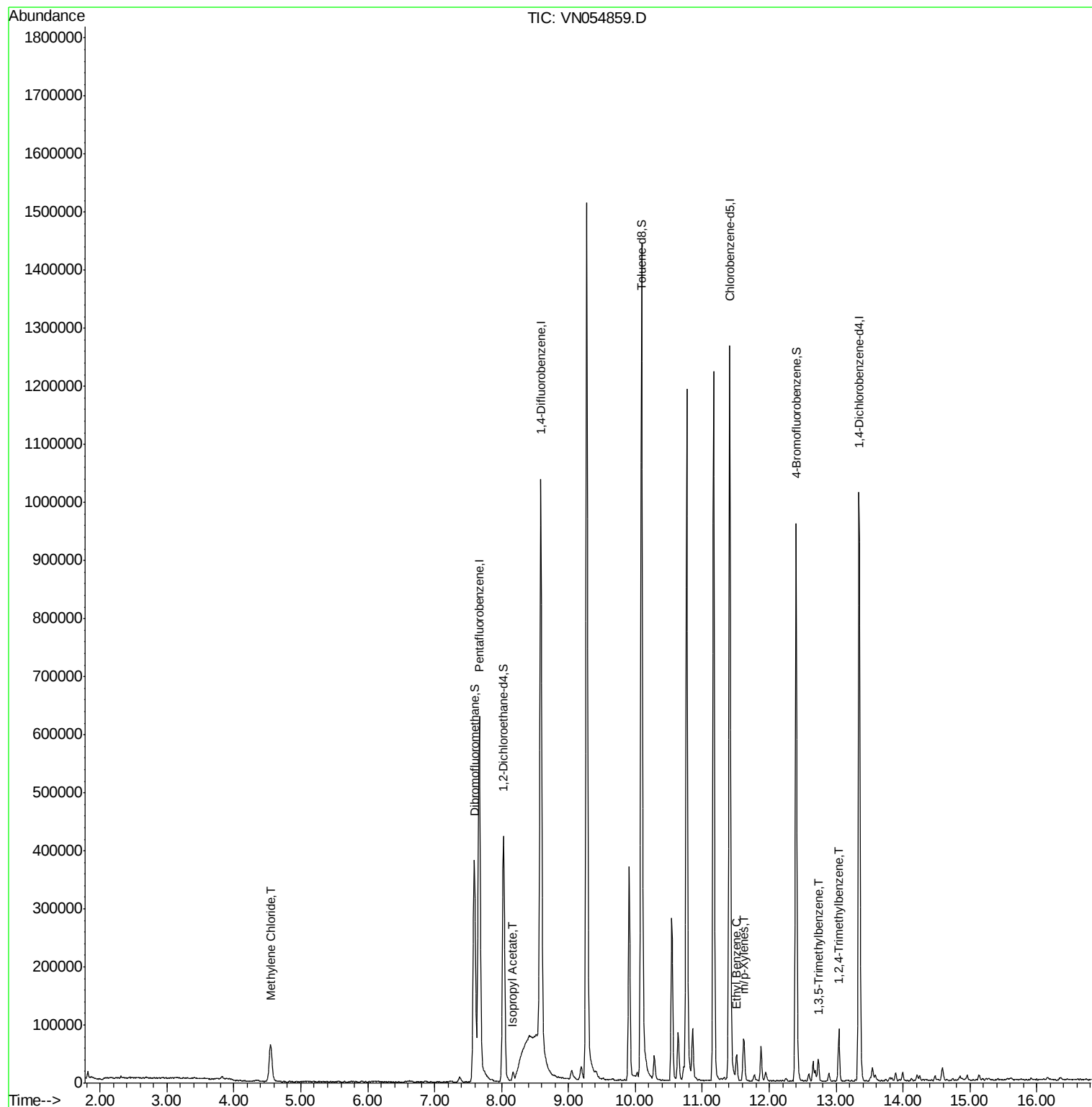
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	544383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	895420	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	747879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	277187	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	364464	49.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.34%	
35) Dibromofluoromethane	7.59	113	281499	47.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.30%	
50) Toluene-d8	10.09	98	1059930	47.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.52%	
62) 4-Bromofluorobenzene	12.40	95	325161	44.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.10%	
Target Compounds						
20) Methylene Chloride	4.55	84	43747	7.087	ug/l #	83
43) Isopropyl Acetate	8.17	43	17969	1.807	ug/l #	95
67) Ethyl Benzene	11.51	91	29324	1.110	ug/l	99
68) m/p-Xylenes	11.62	106	24525	2.508	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	19364	1.042	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	50463	2.849	ug/l	96

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN033119\
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MSVOA_N
ClientSampleId :
TP-10D

Quant Time: Apr 01 04:23:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
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: VN054859.D

Acq: 31 Mar 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

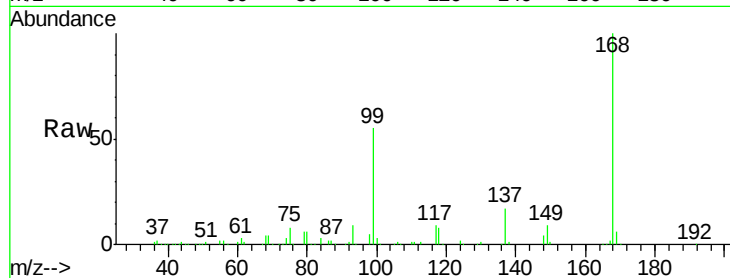
TP-10D

Tgt Ion:168 Resp: 544383

Ion Ratio Lower Upper

168 100

99 55.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

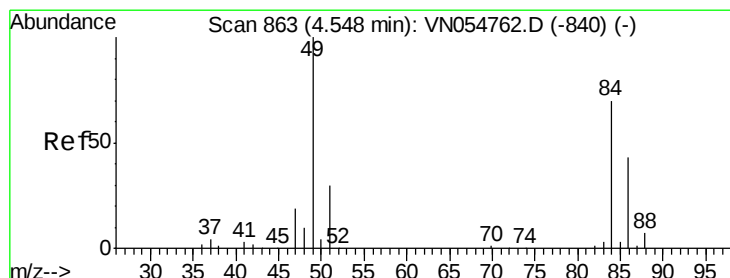
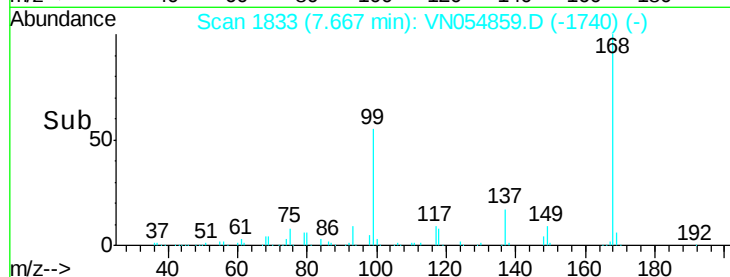
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#20

Methylene Chloride

Concen: 7.087 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN054859.D

Acq: 31 Mar 2019 19:04

Tgt Ion: 84 Resp: 43747

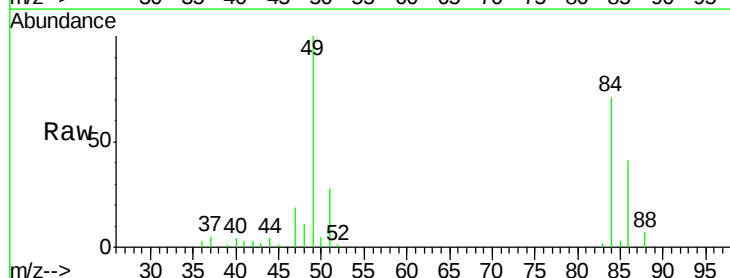
Ion Ratio Lower Upper

84 100

49 140.5 89.7 134.5#

51 38.7 28.2 42.4

86 57.6 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

30000

25000

20000

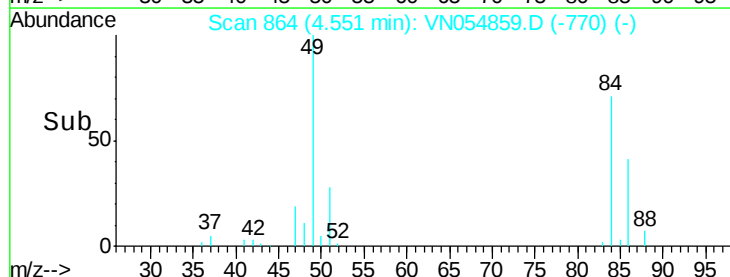
15000

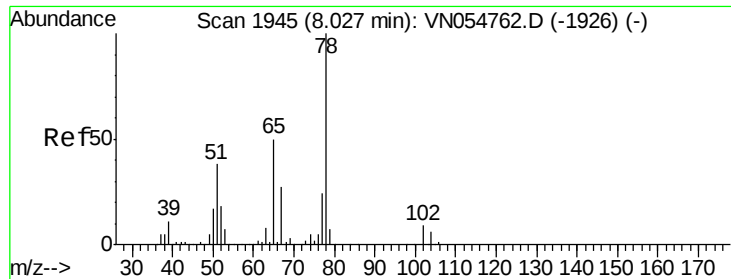
10000

5000

0

Time--> 4.45 4.50 4.55 4.60 4.65





#33

1,2-Dichloroethane-d4

Concen: 49.665 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054859.D

Acq: 31 Mar 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

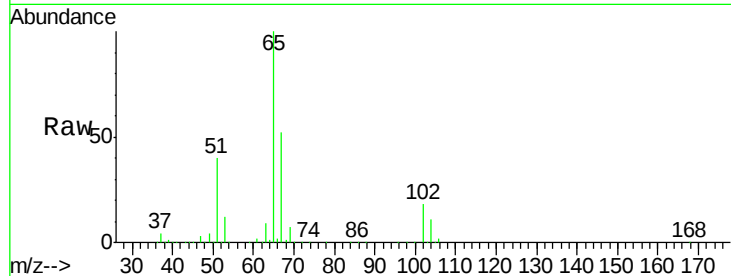
TP-10D

Tgt Ion: 65 Resp: 364464

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054859.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054859.D (-1852) (-)

8.03

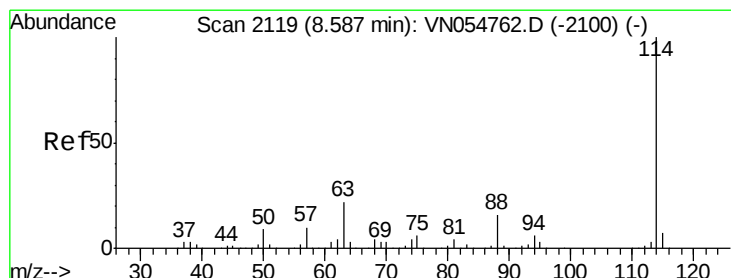
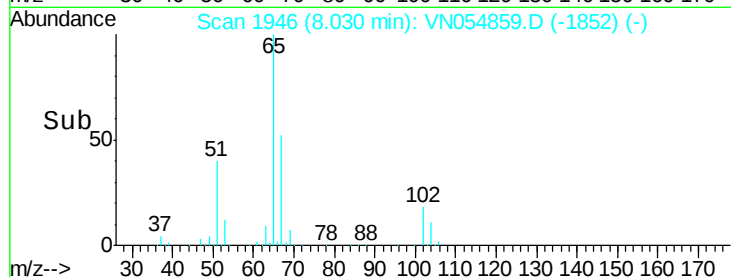
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054859.D

Acq: 31 Mar 2019 19:04

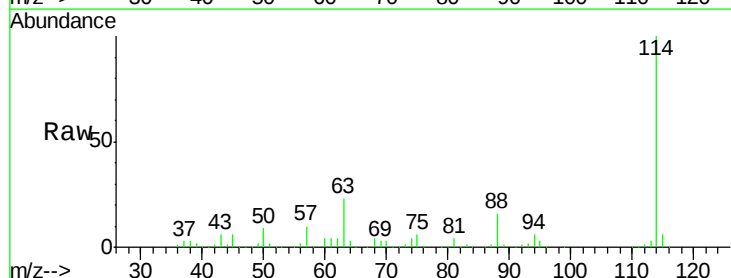
Tgt Ion: 114 Resp: 895420

Ion Ratio Lower Upper

114 100

63 22.9 0.0 35.2

88 16.1 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054859.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054859.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054859.D (-2026) (-)

8.59

500000

400000

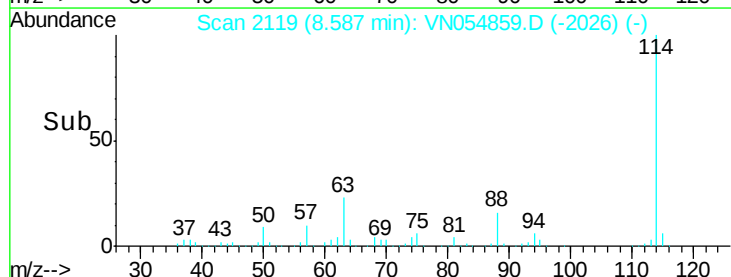
300000

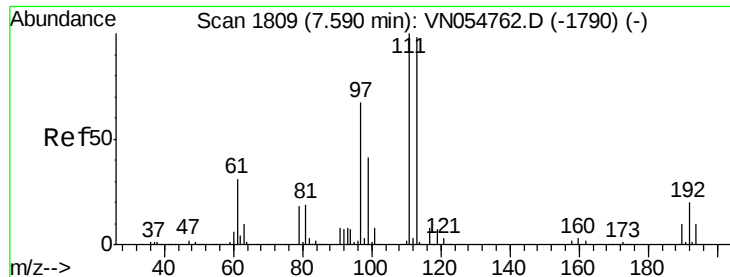
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 47.155 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054859.D

Acq: 31 Mar 2019 19:04

Instrument :

MSVOA_N

ClientSampled :

TP-10D

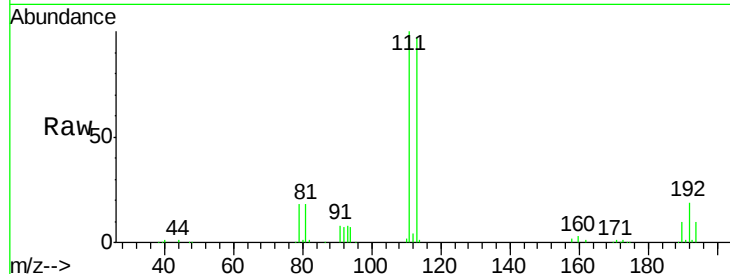
Tgt Ion:113 Resp: 281499

Ion Ratio Lower Upper

113 100

111 105.1 82.2 123.4

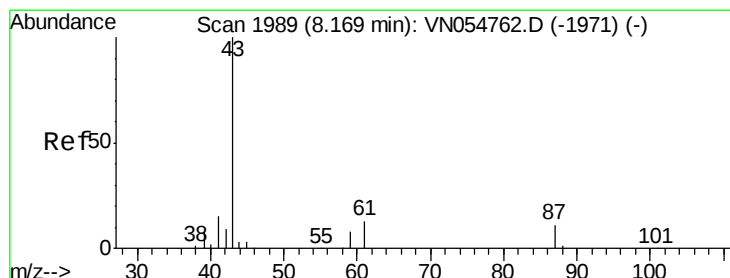
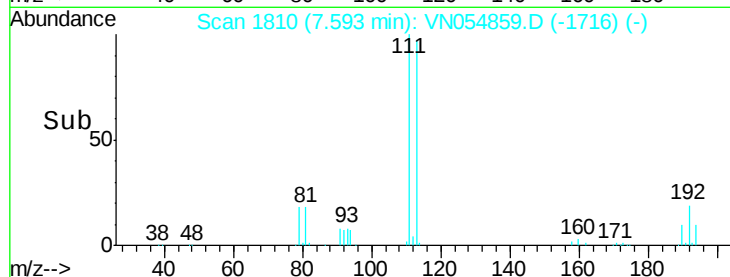
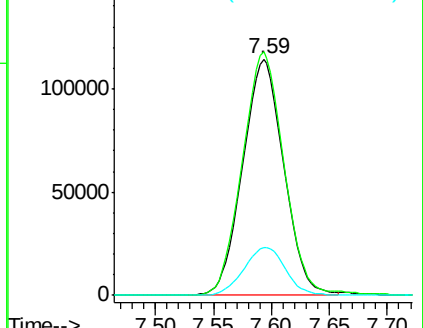
192 20.7 19.2 28.8



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



#43

Isopropyl Acetate

Concen: 1.807 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054859.D

Acq: 31 Mar 2019 19:04

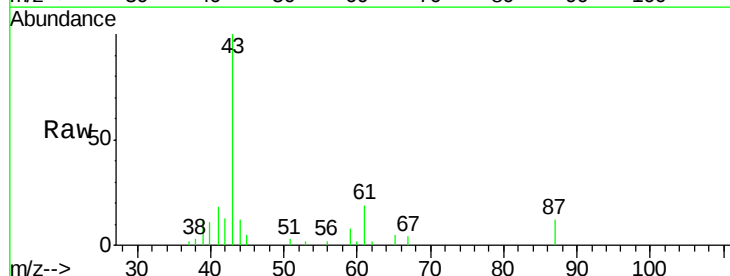
Tgt Ion: 43 Resp: 17969

Ion Ratio Lower Upper

43 100

61 18.4 15.8 23.8

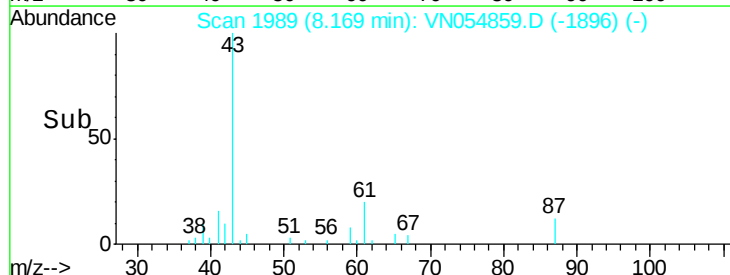
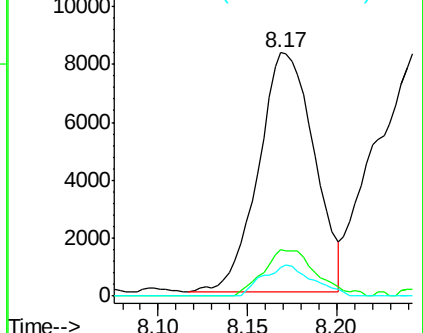
87 11.5 12.0 18.0#

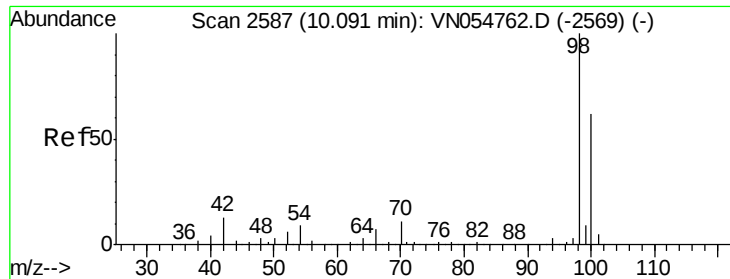


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 47.757 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054859.D

Acq: 31 Mar 2019 19:04

Instrument :

MSVOA_N

ClientSampled :

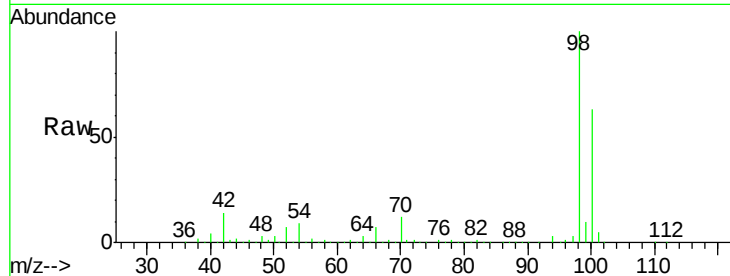
TP-10D

Tgt Ion: 98 Resp: 1059930

Ion Ratio Lower Upper

98 100

100 63.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054762.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054762.D (-2569) (-)

10.09

600000

500000

400000

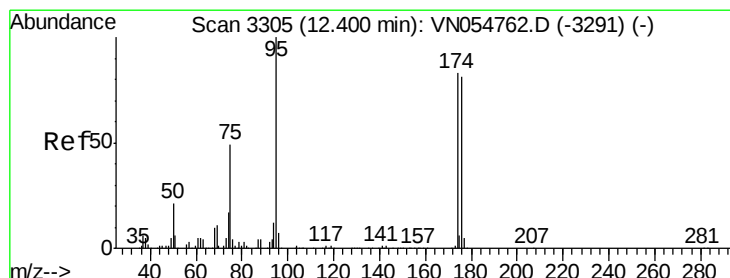
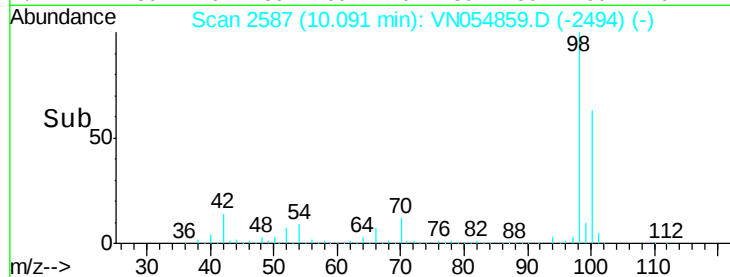
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.053 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054859.D

Acq: 31 Mar 2019 19:04

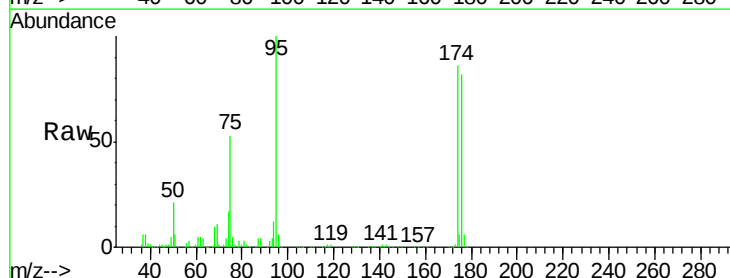
Tgt Ion: 95 Resp: 325161

Ion Ratio Lower Upper

95 100

174 85.7 0.0 191.0

176 82.4 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054762.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054762.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054762.D (-3291) (-)

12.40

250000

200000

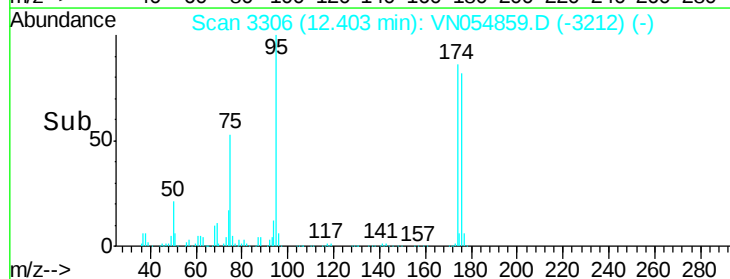
150000

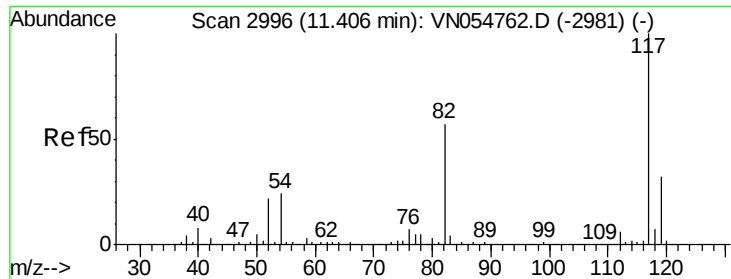
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054859.D

Acq: 31 Mar 2019 19:04

Instrument :

MSVOA_N

ClientSampled :

TP-10D

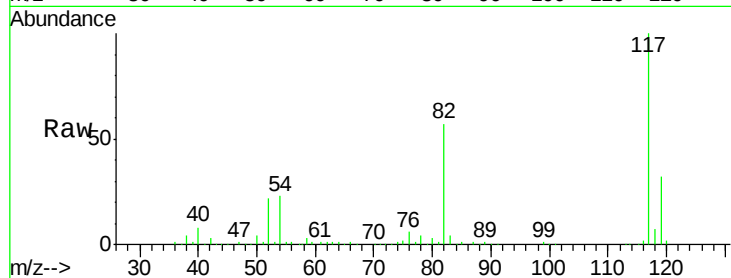
Tgt Ion:117 Resp: 747879

Ion Ratio Lower Upper

117 100

82 56.8 40.0 60.0

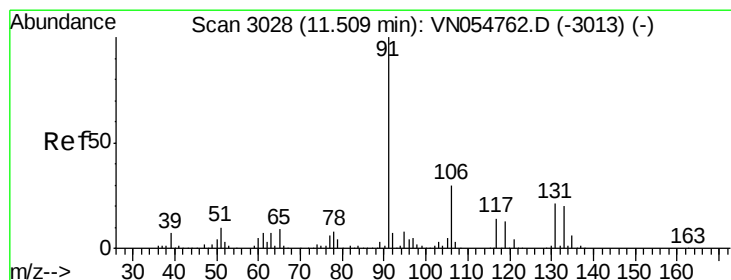
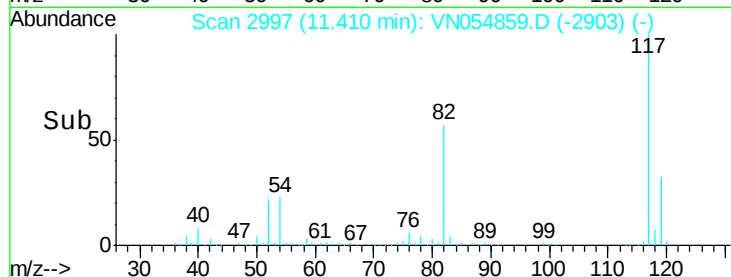
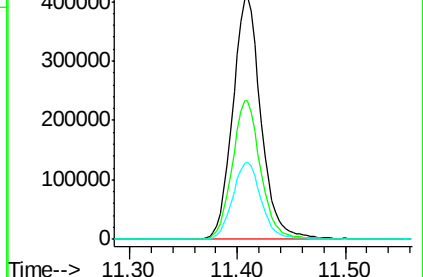
119 31.8 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 1.110 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054859.D

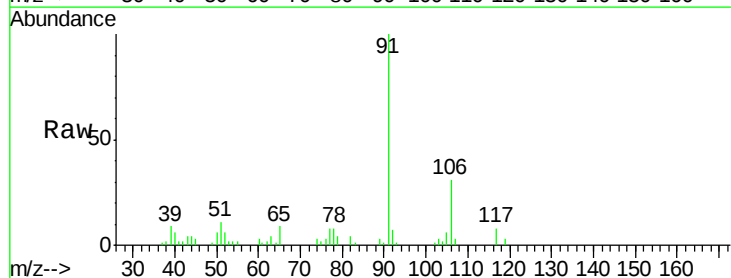
Acq: 31 Mar 2019 19:04

Tgt Ion: 91 Resp: 29324

Ion Ratio Lower Upper

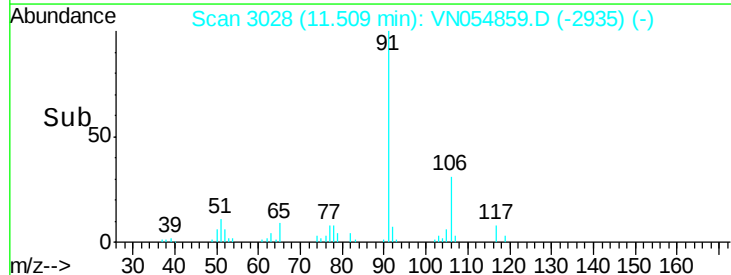
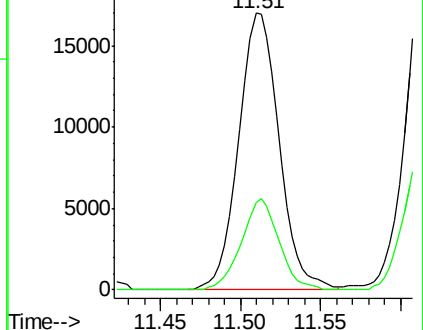
91 100

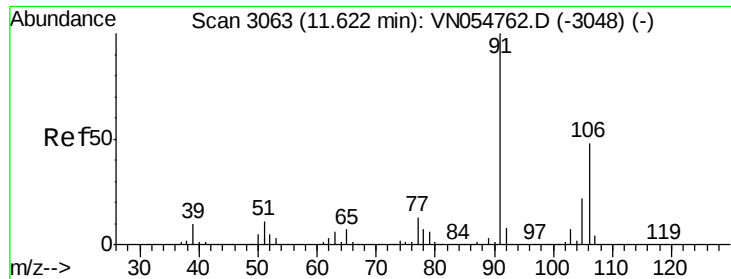
106 31.4 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

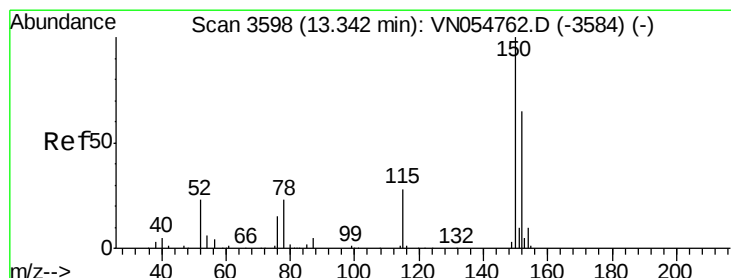
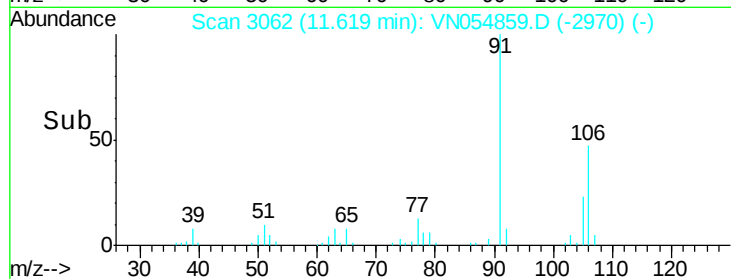
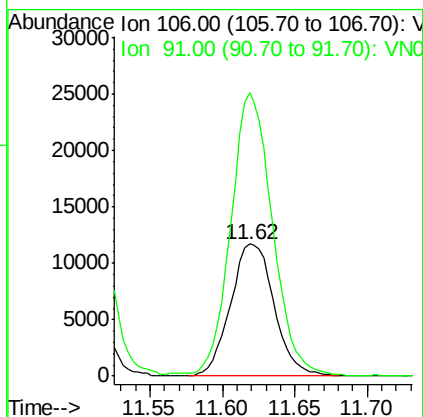
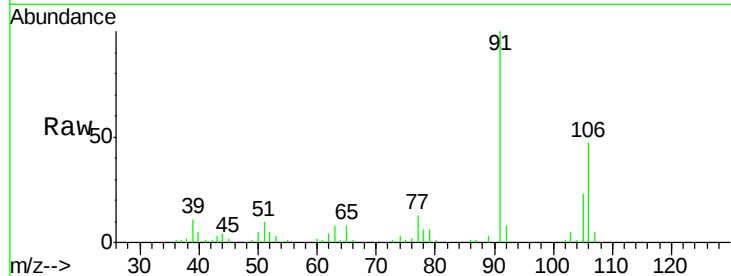




#68
m/p-Xylenes
Concen: 2.508 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054859.D
Acq: 31 Mar 2019 19:04

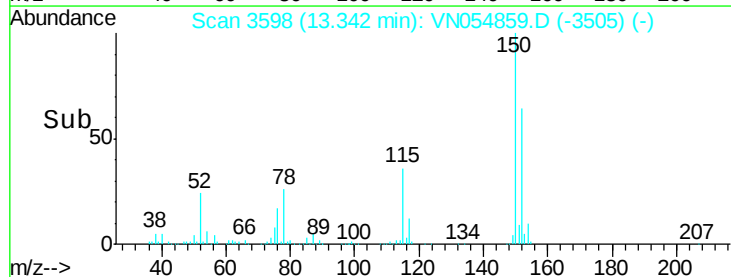
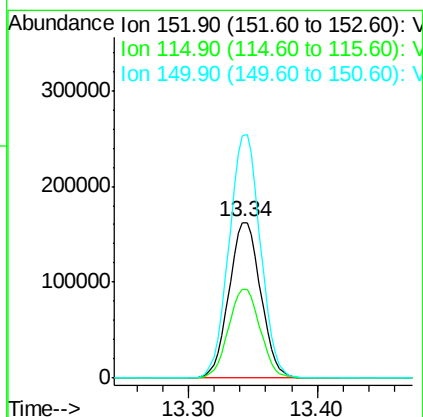
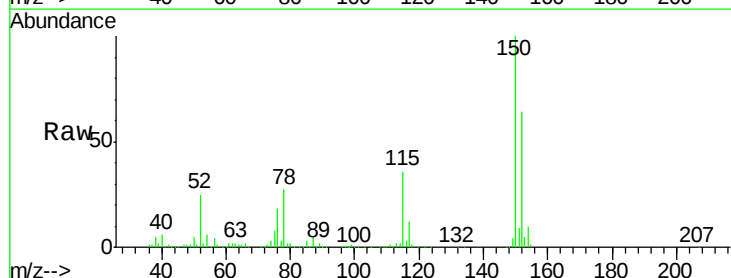
Instrument :
MSVOA_N
ClientSampled :
TP-10D

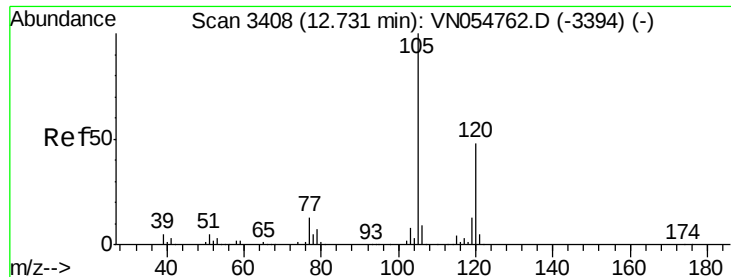
Tgt Ion:106 Resp: 24525
Ion Ratio Lower Upper
106 100
91 204.1 159.4 239.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054859.D
Acq: 31 Mar 2019 19:04

Tgt Ion:152 Resp: 277187
Ion Ratio Lower Upper
152 100
115 57.2 27.2 81.6
150 154.8 0.0 349.2

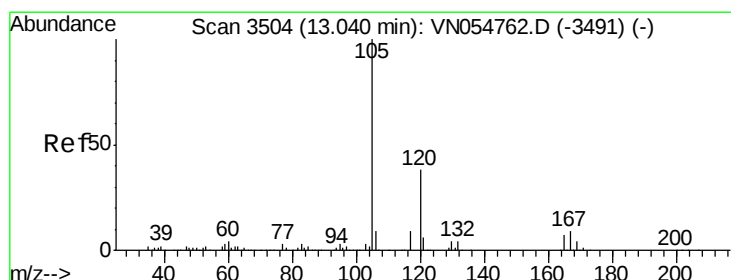
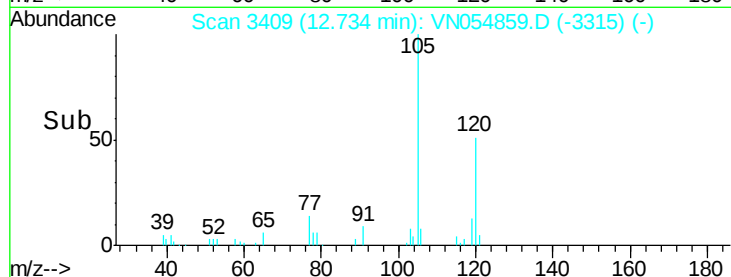
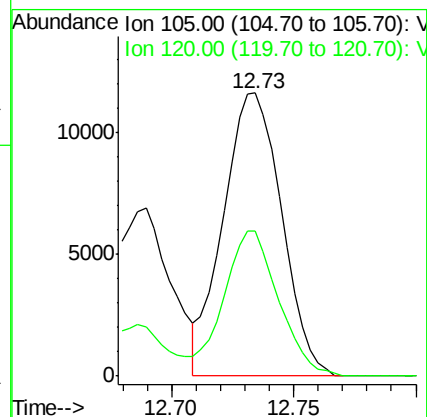
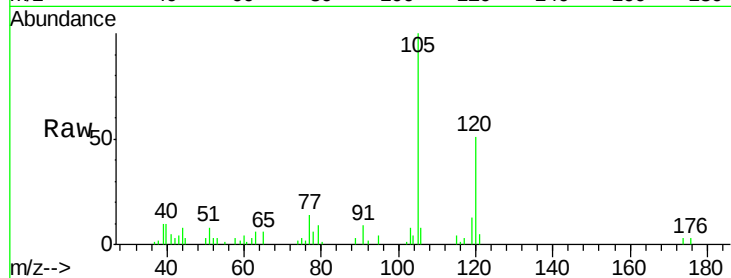




#80
 1,3,5-Trimethylbenzene
 Concen: 1.042 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN054859.D
 Acq: 31 Mar 2019 19:04

Instrument :
 MSVOA_N
 ClientSampled :
 TP-10D

Tgt Ion:105 Resp: 19364
 Ion Ratio Lower Upper
 105 100
 120 48.7 25.0 75.0



#84
 1,2,4-Trimethylbenzene
 Concen: 2.849 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054859.D
 Acq: 31 Mar 2019 19:04

Tgt Ion:105 Resp: 50463
 Ion Ratio Lower Upper
 105 100
 120 44.5 23.4 70.3

