

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040119\
 Data File : VN054887.D
 Acq On : 1 Apr 2019 20:46
 Operator : JC/SP
 Sample : K2212-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: Apr 02 11:02:02 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

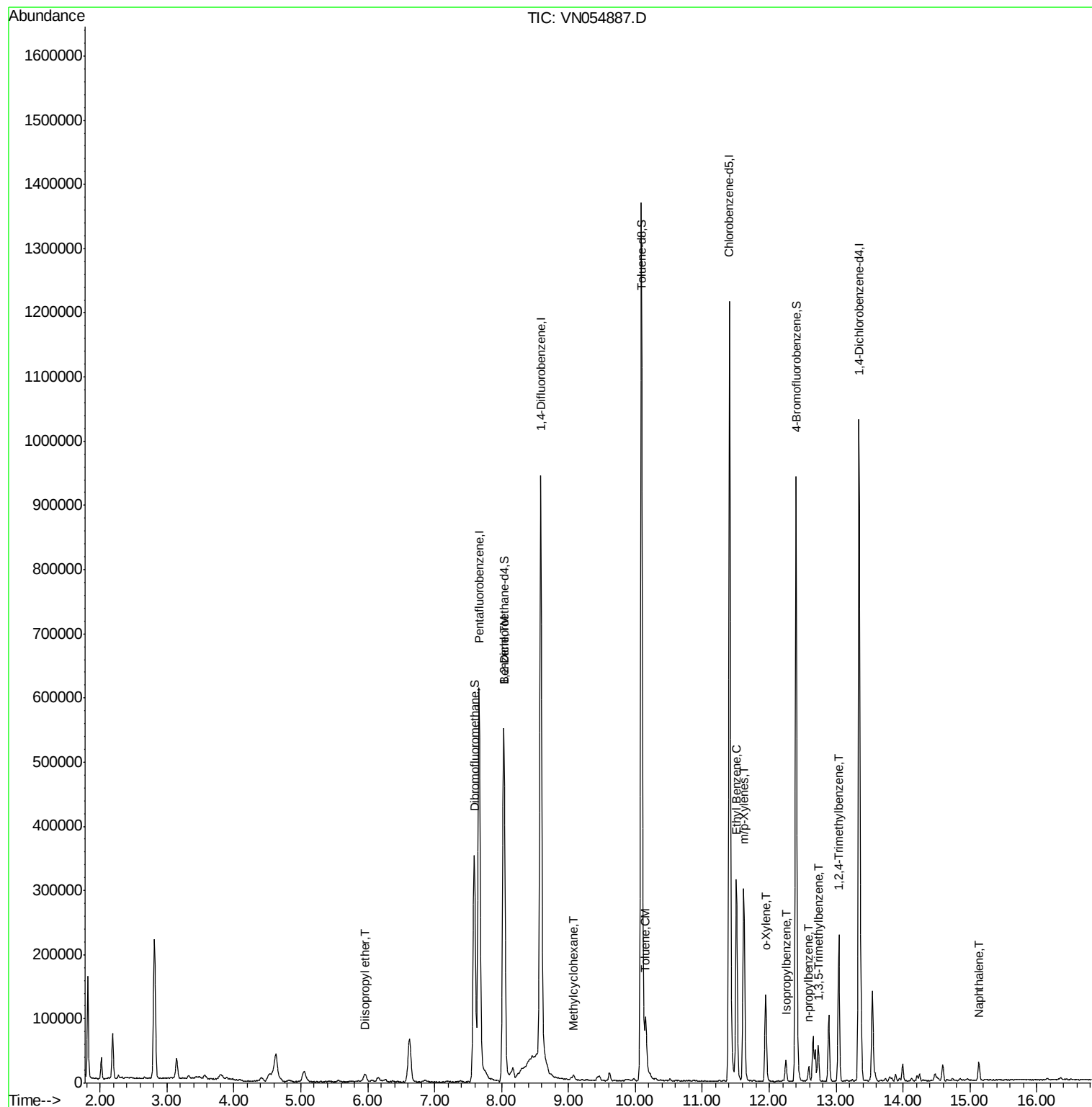
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	499893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	838079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	727731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	273127	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	335989	49.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.72%	
35) Dibromofluoromethane	7.59	113	265426	47.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.00%	
50) Toluene-d8	10.09	98	1008531	48.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.10%	
62) 4-Bromofluorobenzene	12.40	95	322867	46.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.46%	
Target Compounds						
					Qvalue	
22) Diisopropyl ether	5.96	45	16269	0.850	ug/l #	84
39) Methylcyclohexane	9.07	83	2872	0.335	ug/l #	88
40) Benzene	8.04	78	234765	10.506	ug/l	98
52) Toluene	10.16	92	30531	2.296	ug/l	100
67) Ethyl Benzene	11.51	91	230110	8.950	ug/l	97
68) m/p-Xylenes	11.62	106	100237	10.535	ug/l	96
69) o-Xylene	11.95	106	37191	3.986	ug/l	95
73) Isopropylbenzene	12.25	105	21336	0.956	ug/l	99
78) n-propylbenzene	12.59	91	17510	0.714	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	30186	1.648	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	128518	7.364	ug/l	97
95) Naphthalene	15.13	128	24489	2.488	ug/l	100

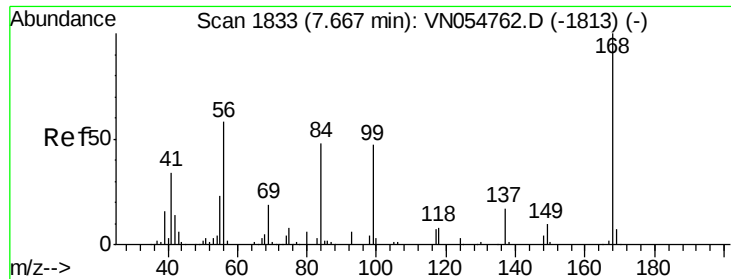
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040119\
Data File : VN054887.D
Acq On : 1 Apr 2019 20:46
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Misc : 5.00mL/MSVOA N/WATER
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Instrument :
MSVOA_N
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MW-4

Quant Time: Apr 02 11:02:02 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: VN054887.D

Acq: 1 Apr 2019 20:46

Instrument :

MSVOA_N

ClientSampled :

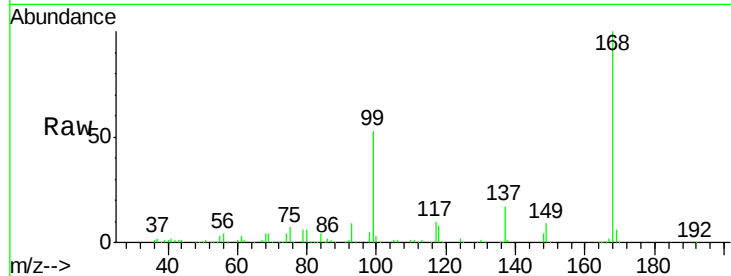
MW-4

Tot Ion:168 Resp: 499893

Ion Ratio Lower Upper

168 100

99 53.3 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

200000

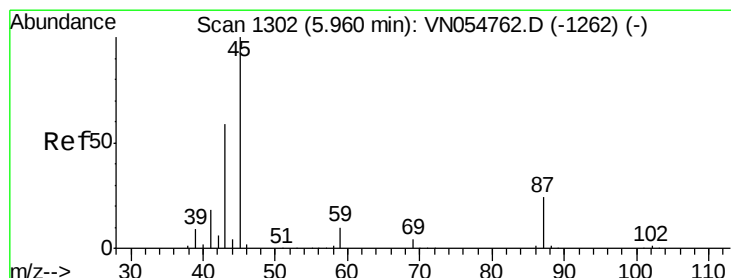
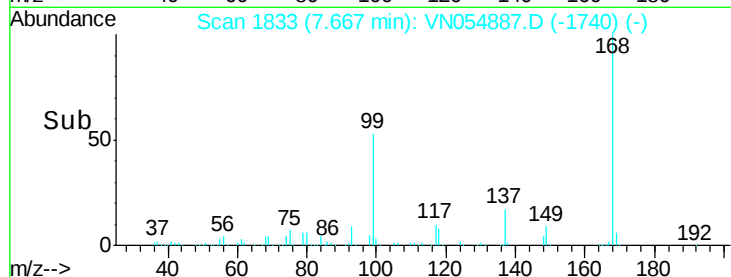
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#22

Diisopropyl ether

Concen: 0.850 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

Tgt Ion: 45 Resp: 16269

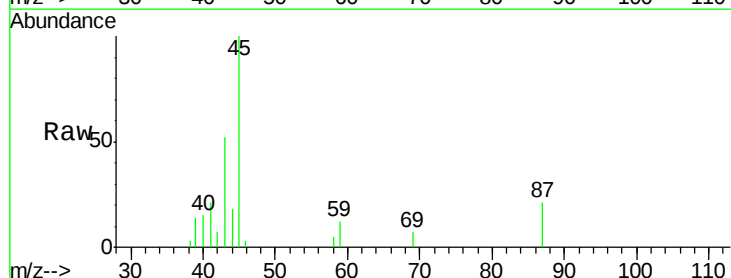
Ion Ratio Lower Upper

45 100

43 46.1 48.2 72.2#

87 20.9 24.9 37.3#

59 11.9 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO

5.96

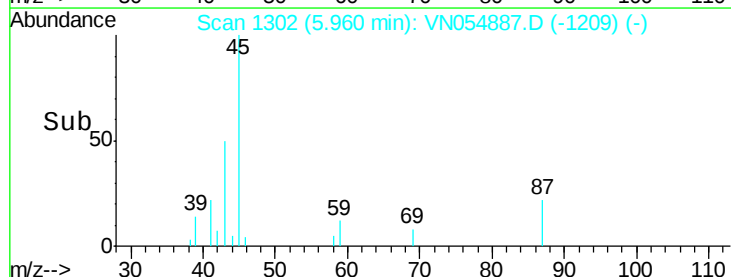
6000

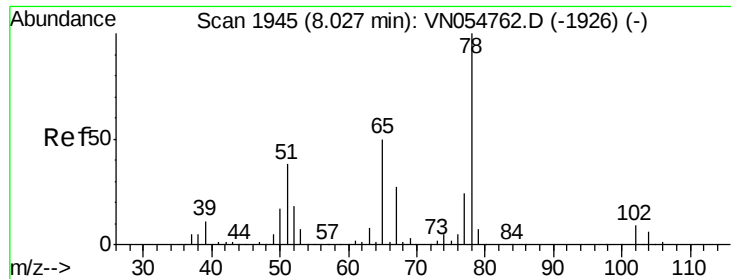
4000

2000

0

Time--> 5.90 6.00





#33

1,2-Dichloroethane-d4

Concen: 49.860 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

Instrument :

MSVOA_N

ClientSampleId :

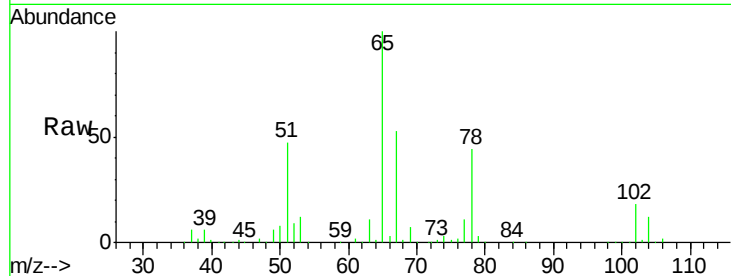
MW-4

Tot Ion: 65 Resp: 335989

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054887.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054887.D (-1852) (-)

8.03

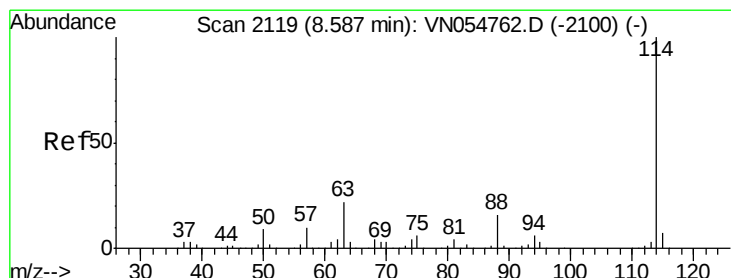
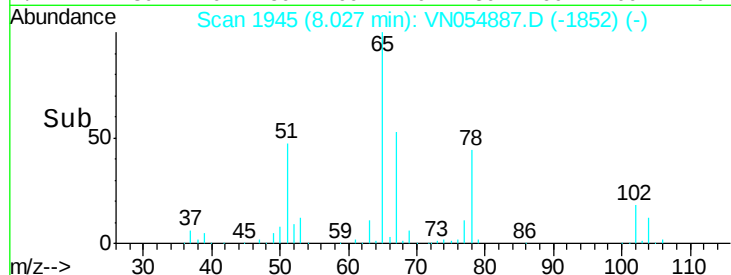
150000

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: VN054887.D

Acq: 1 Apr 2019 20:46

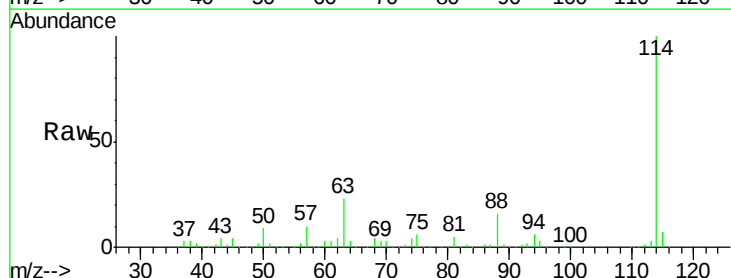
Tgt Ion: 114 Resp: 838079

Ion Ratio Lower Upper

114 100

63 22.9 0.0 35.2

88 16.0 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054887.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054887.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054887.D (-2026) (-)

8.59

500000

400000

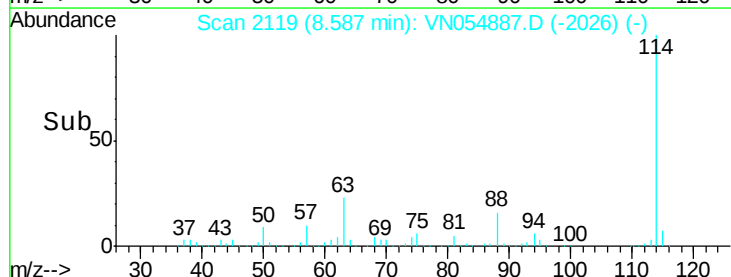
300000

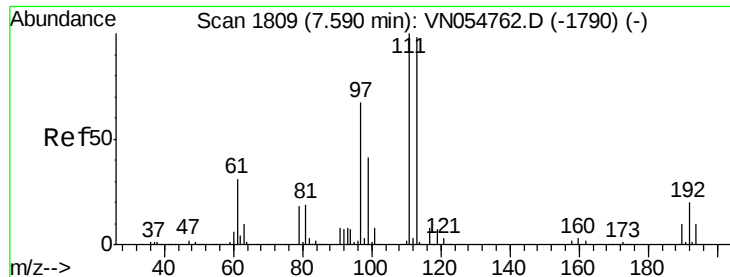
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 47.504 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

Instrument :

MSVOA_N

ClientSampled :

MW-4

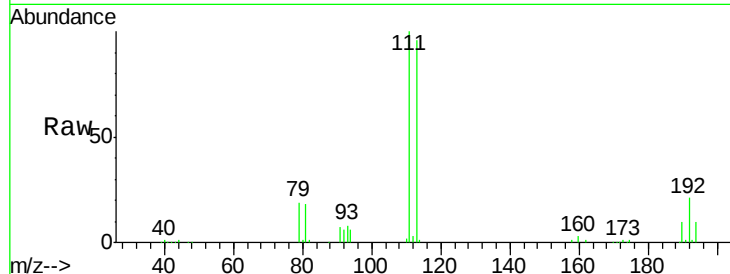
Tot Ion:113 Resp: 265426

Ion Ratio Lower Upper

113 100

111 104.5 82.2 123.4

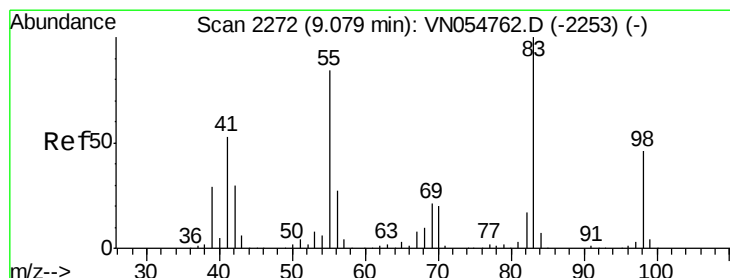
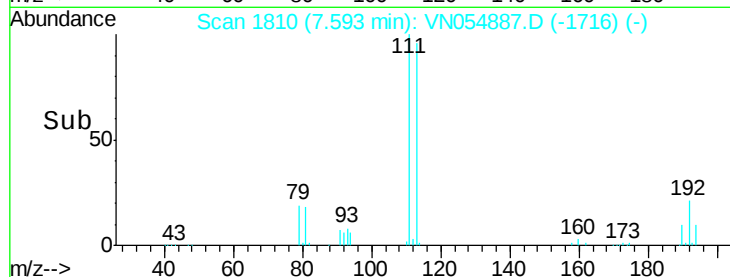
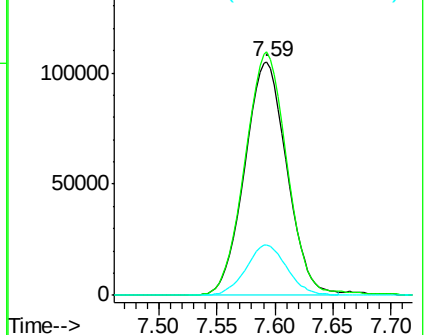
192 21.2 19.2 28.8



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



#39

Methylcyclohexane

Concen: 0.335 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. -0.01 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

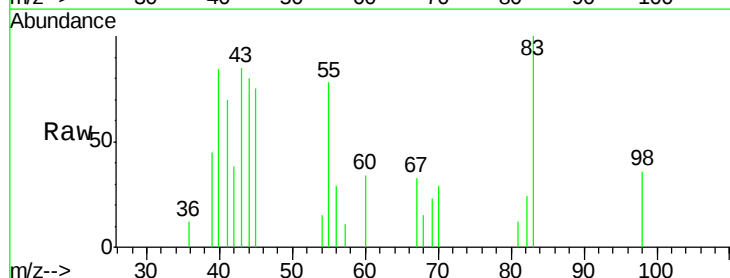
Tgt Ion: 83 Resp: 2872

Ion Ratio Lower Upper

83 100

55 78.2 56.6 84.8

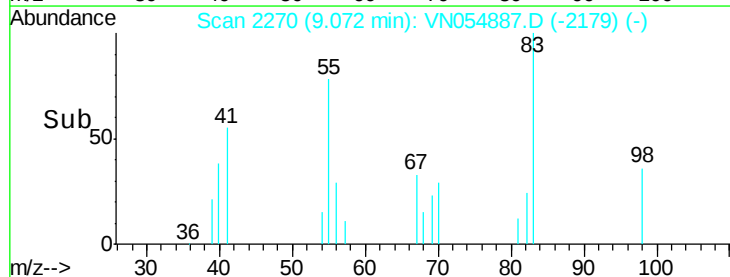
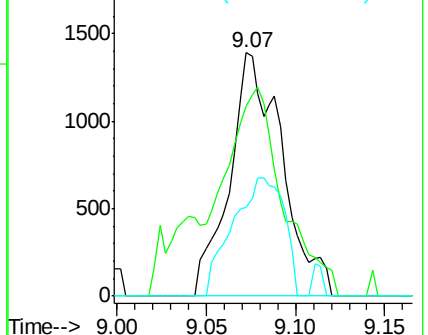
98 36.2 38.4 57.6#

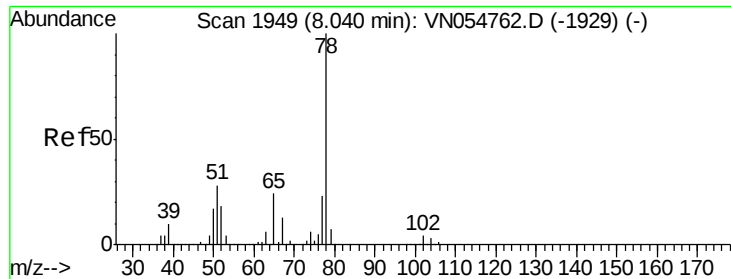


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 10.506 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

Instrument :

MSVOA_N

ClientSampleId :

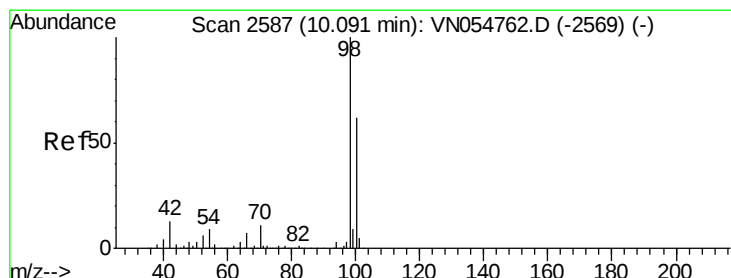
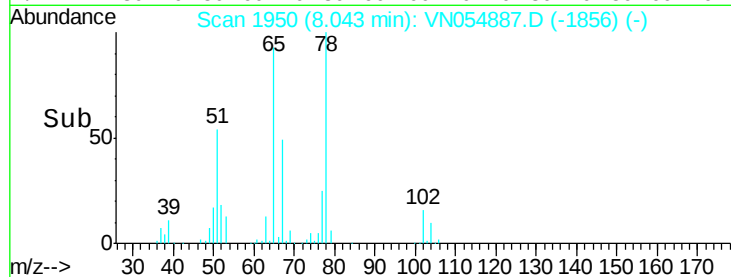
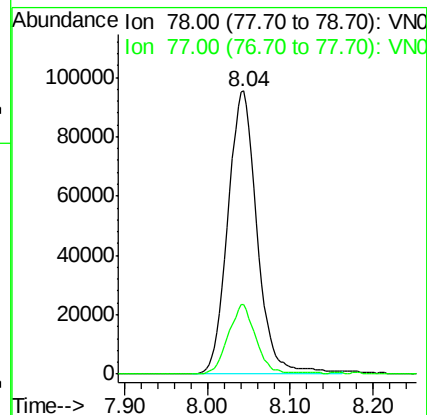
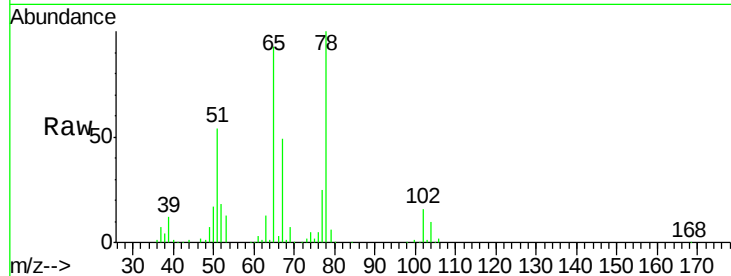
MW-4

Tot Ion: 78 Resp: 234765

Ion Ratio Lower Upper

78 100

77 24.7 19.1 28.7



#50

Toluene-d8

Concen: 48.551 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054887.D

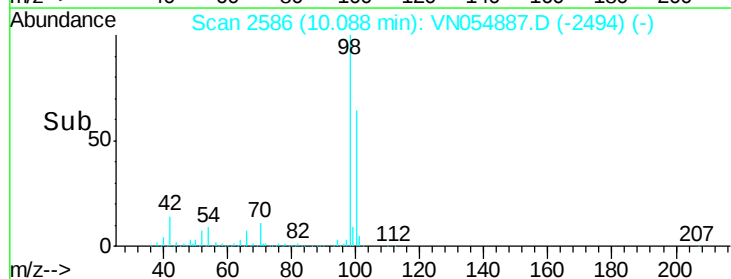
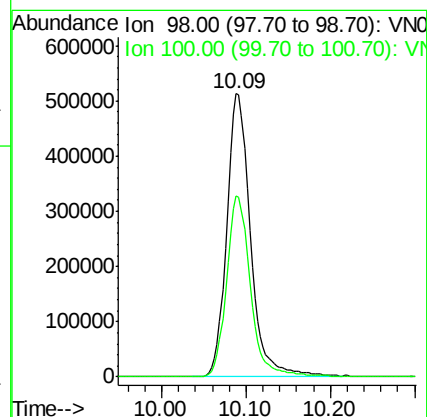
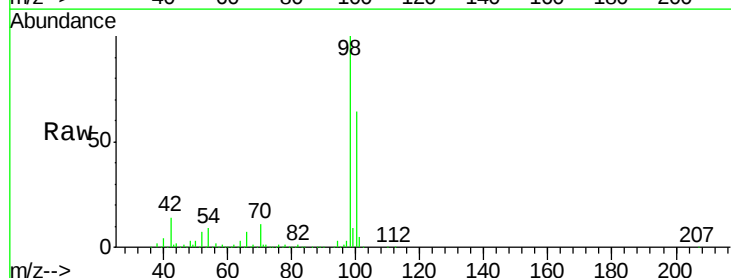
Acq: 1 Apr 2019 20:46

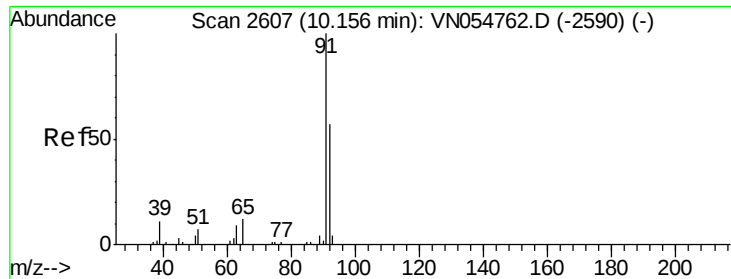
Tgt Ion: 98 Resp: 1008531

Ion Ratio Lower Upper

98 100

100 64.5 51.2 76.8





#52

Toluene

Concen: 2.296 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

Instrument :

MSVOA_N

ClientSampled :

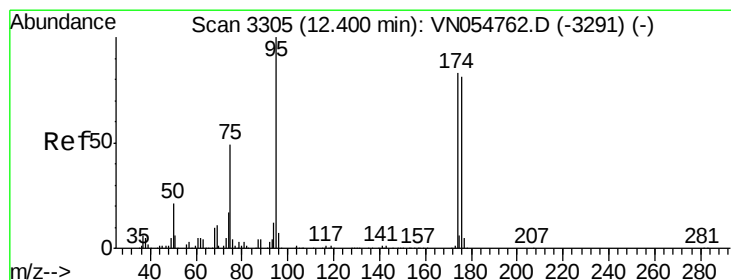
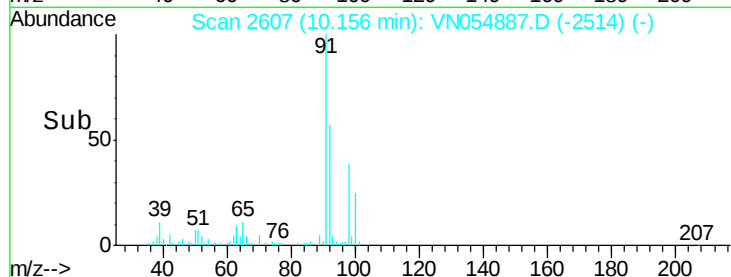
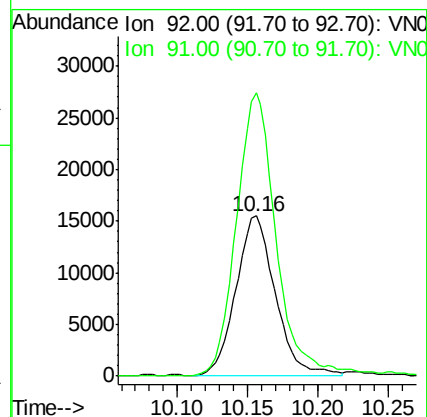
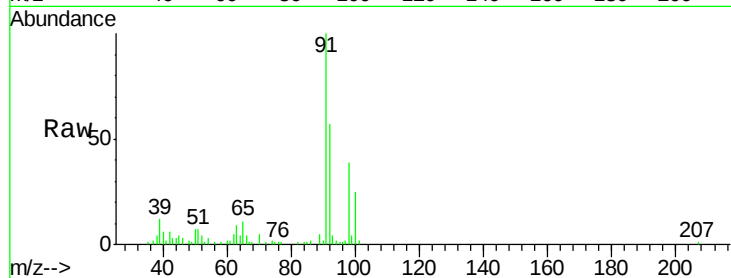
MW-4

Tot Ion: 92 Resp: 30531

Ion Ratio Lower Upper

92 100

91 175.6 140.7 211.1



#62

4-Bromofluorobenzene

Concen: 46.735 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

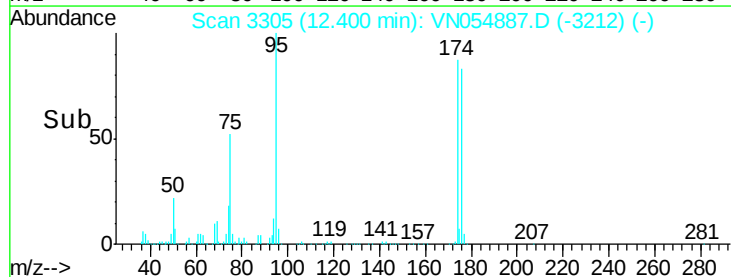
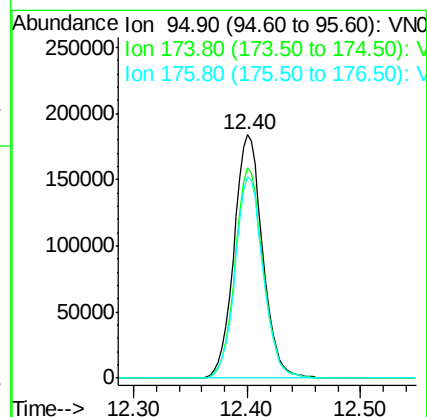
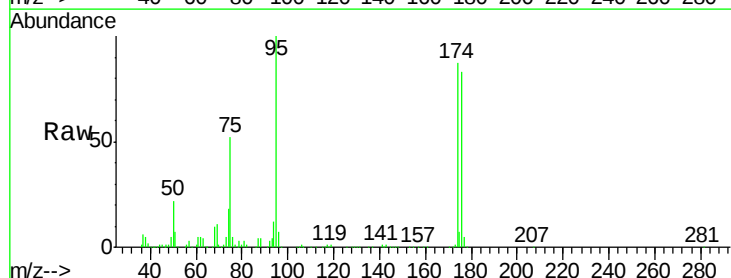
Tgt Ion: 95 Resp: 322867

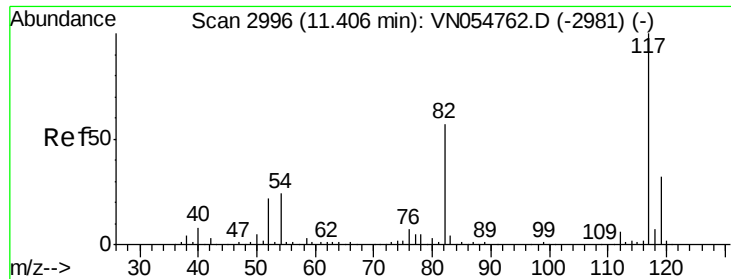
Ion Ratio Lower Upper

95 100

174 84.9 0.0 191.0

176 81.3 0.0 187.4

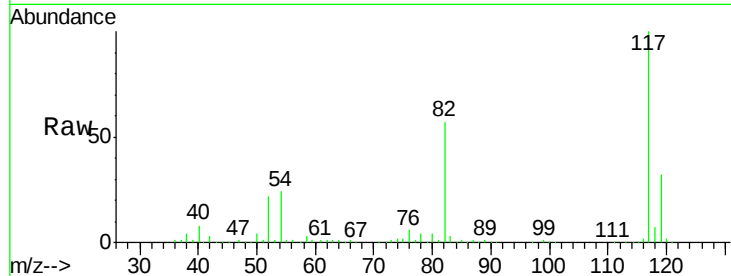




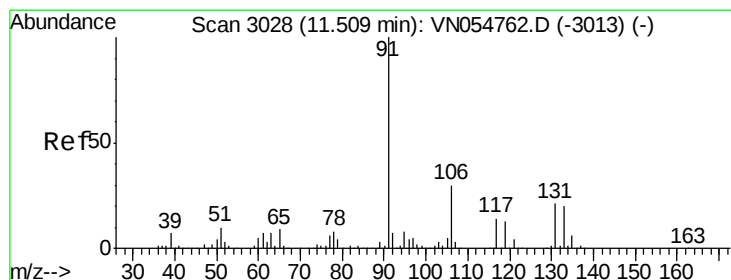
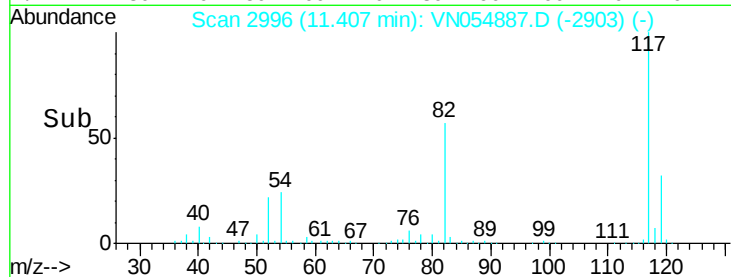
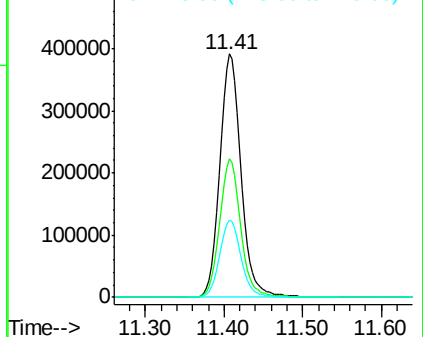
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

Instrument :
MSVOA_N
ClientSampled :
MW-4

Tot Ion:117 Resp: 727731
Ion Ratio Lower Upper
117 100
82 56.7 40.0 60.0
119 31.8 25.8 38.6

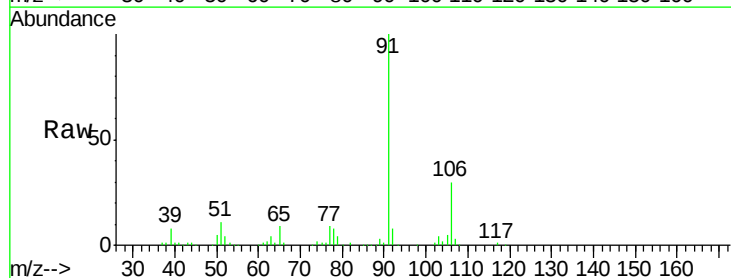


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

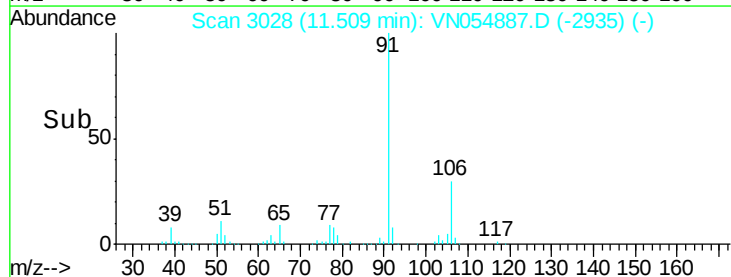
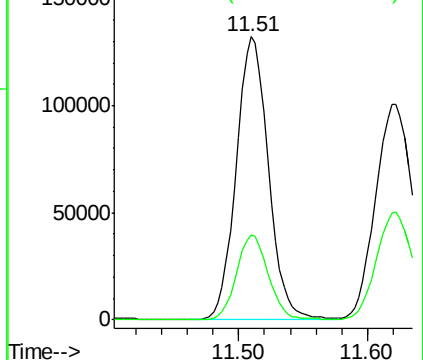


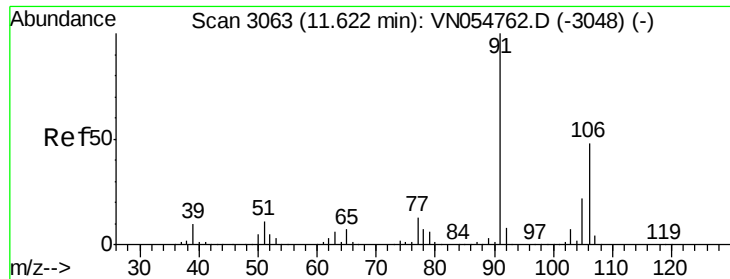
#67
Ethyl Benzene
Concen: 8.950 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

Tgt Ion: 91 Resp: 230110
Ion Ratio Lower Upper
91 100
106 30.2 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

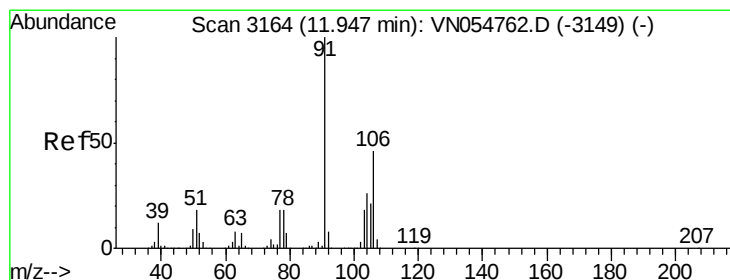
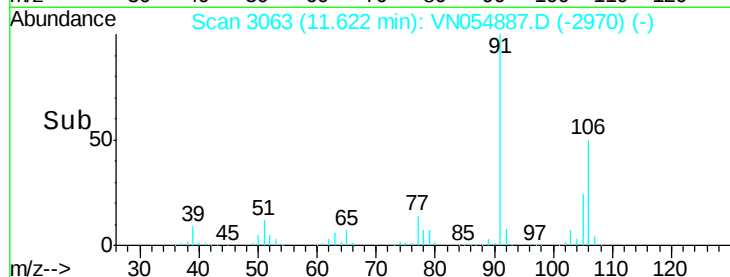
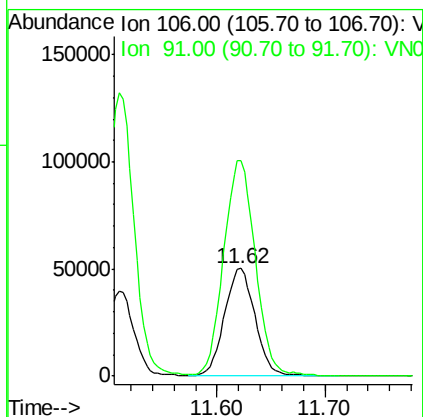
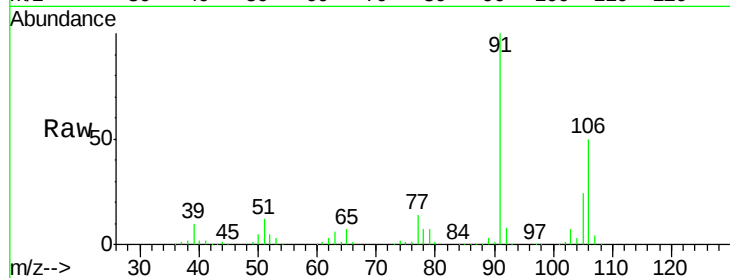




#68
m/p-Xylenes
Concen: 10.535 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

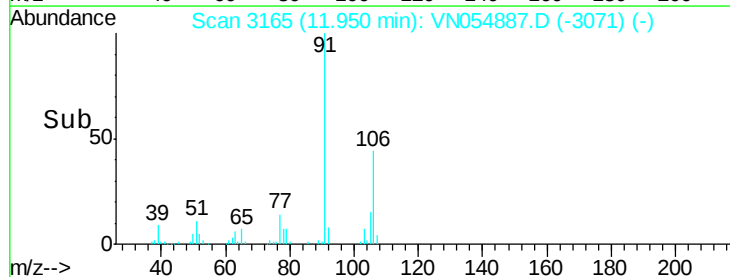
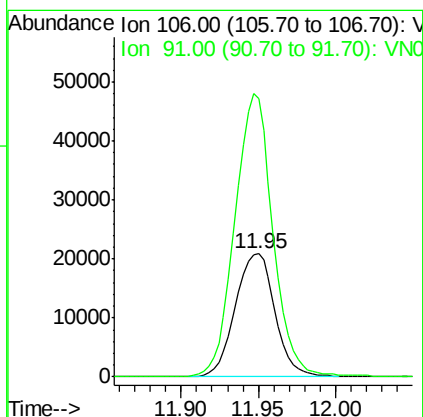
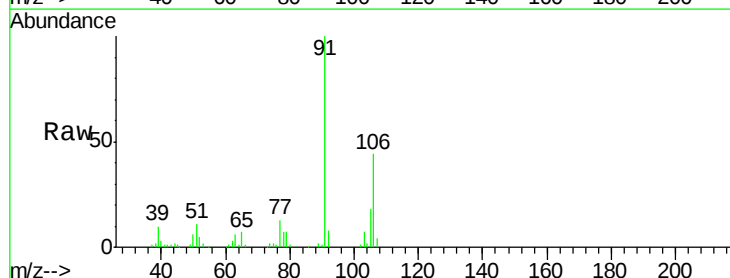
Instrument :
MSVOA_N
ClientSampled :
MW-4

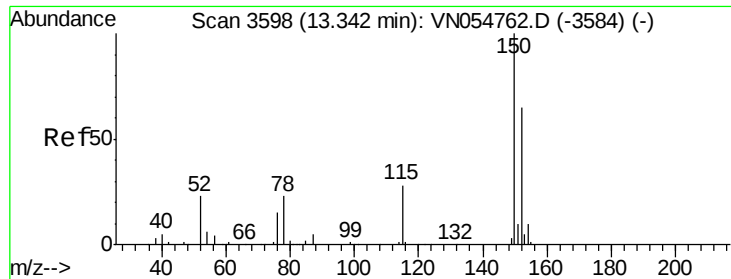
Tot Ion:106 Resp: 100237
Ion Ratio Lower Upper
106 100
91 205.3 159.4 239.2



#69
o-Xylene
Concen: 3.986 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

Tgt Ion:106 Resp: 37191
Ion Ratio Lower Upper
106 100
91 219.5 105.7 317.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

Instrument :

MSVOA_N

ClientSampled :

MW-4

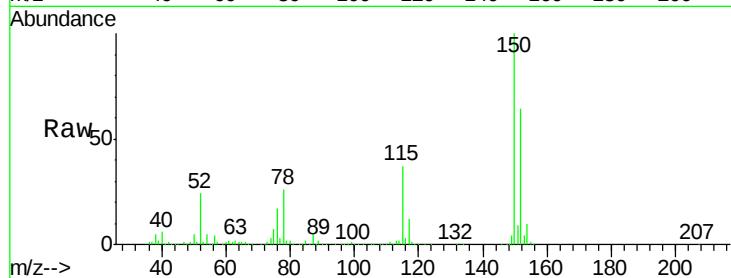
Tot Ion:152 Resp: 273127

Ion Ratio Lower Upper

152 100

115 58.9 27.2 81.6

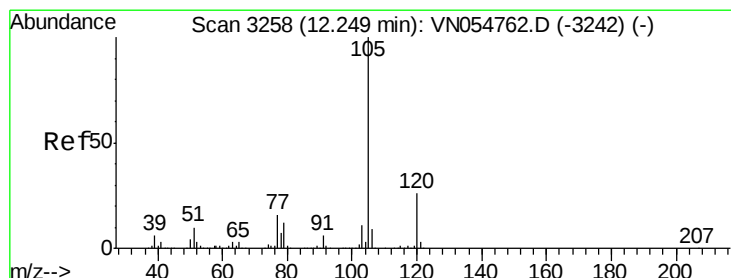
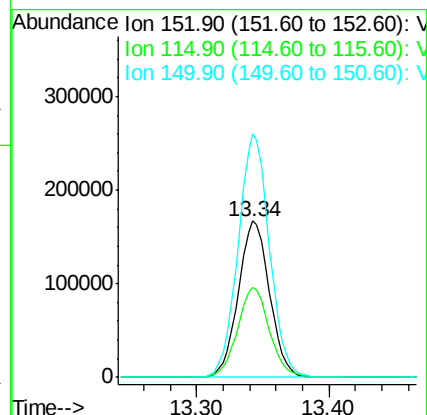
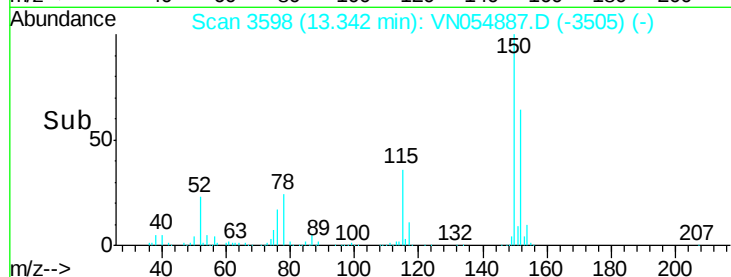
150 155.5 0.0 349.2



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



#73

Isopropylbenzene

Concen: 0.956 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054887.D

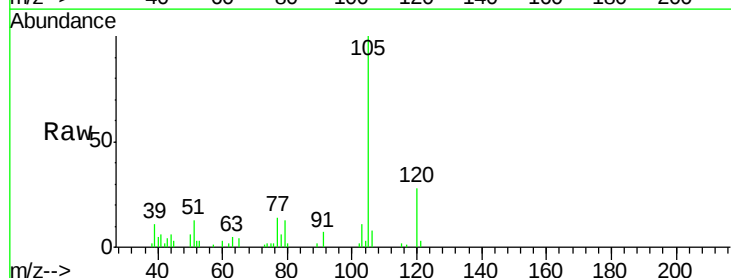
Acq: 1 Apr 2019 20:46

Tgt Ion:105 Resp: 21336

Ion Ratio Lower Upper

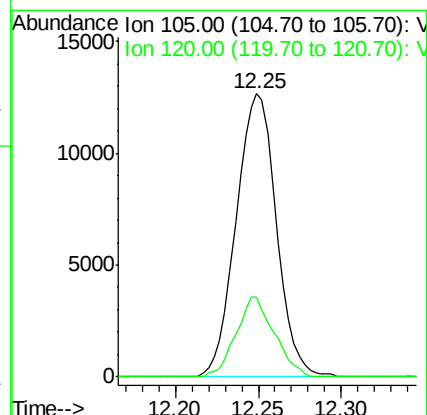
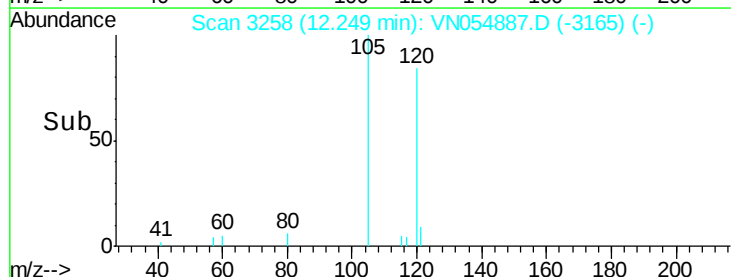
105 100

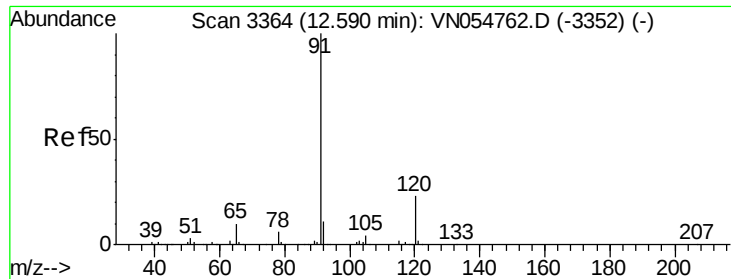
120 26.8 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.714 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054887.D

Acq: 1 Apr 2019 20:46

Instrument :

MSVOA_N

ClientSampled :

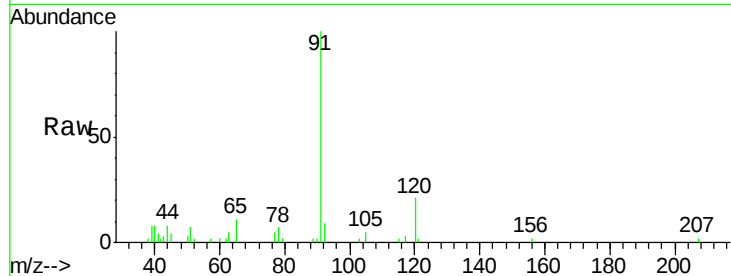
MW-4

Tot Ion: 91 Resp: 17510

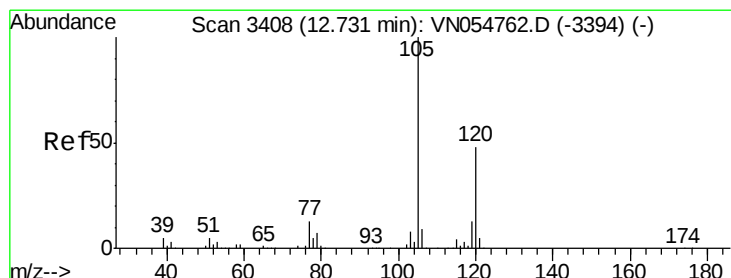
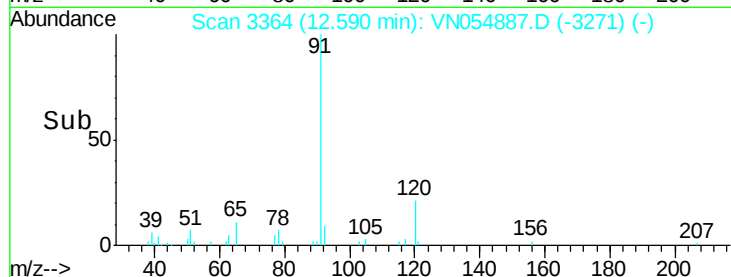
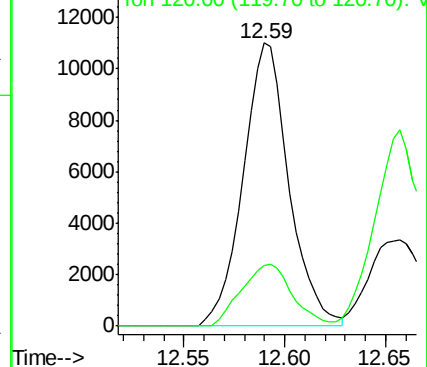
Ion Ratio Lower Upper

91 100

120 24.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN054887.D (-3271) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.648 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054887.D

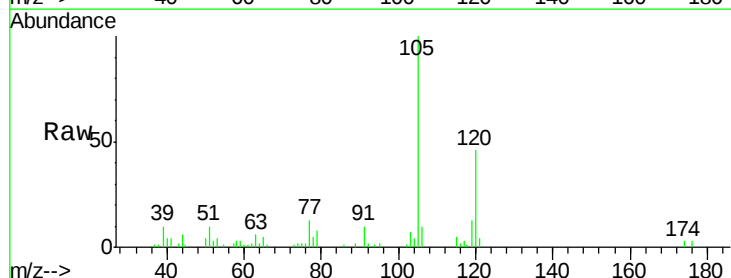
Acq: 1 Apr 2019 20:46

Tgt Ion: 105 Resp: 30186

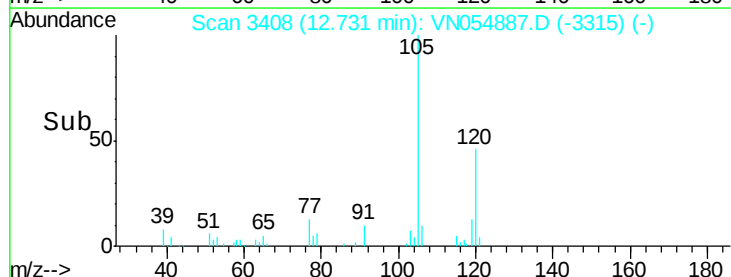
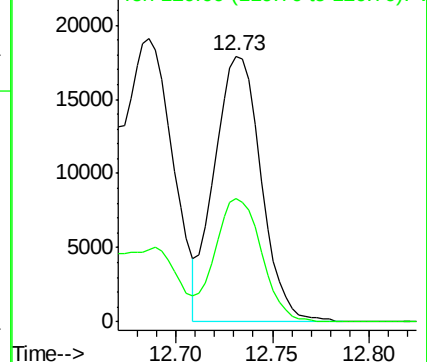
Ion Ratio Lower Upper

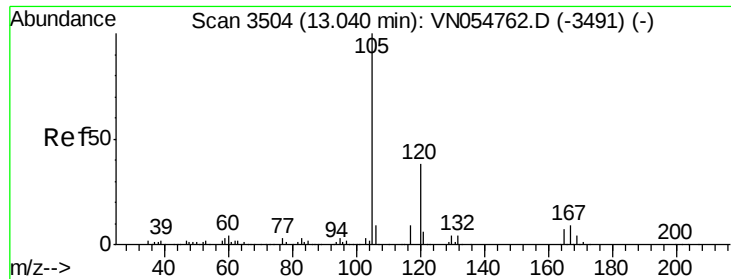
105 100

120 46.3 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054887.D (-3315) (-)

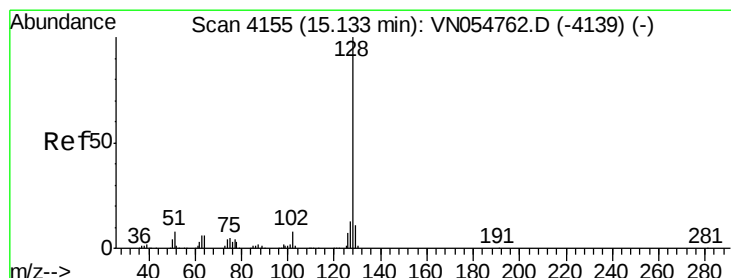
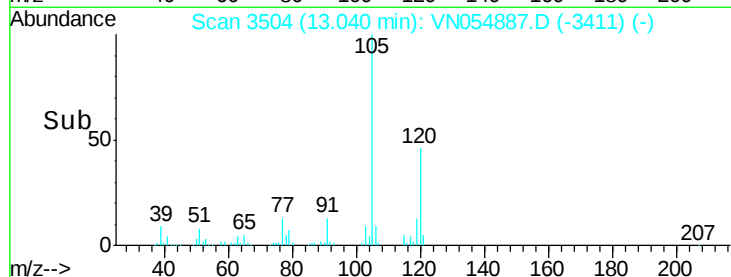
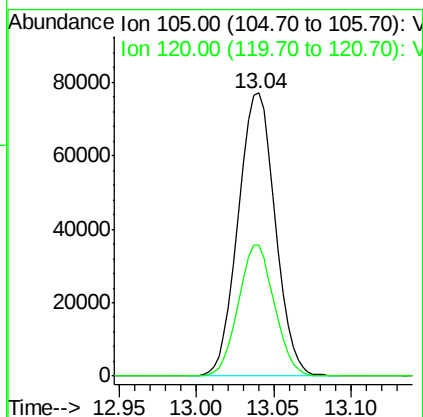
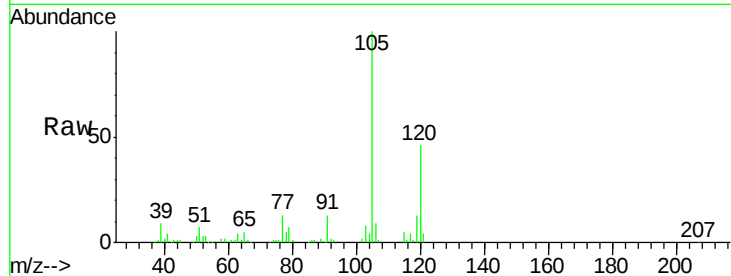




#84
 1,2,4-Trimethylbenzene
 Concen: 7.364 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054887.D
 Acq: 1 Apr 2019 20:46

Instrument :
 MSVOA_N
 ClientSampled :
 MW-4

Tot Ion:105 Resp: 128518
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.4 70.3



#95
 Naphthalene
 Concen: 2.488 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN054887.D
 Acq: 1 Apr 2019 20:46

Tgt Ion:128 Resp: 24489
 Ion Ratio Lower Upper
 128 100
 127 12.4 10.1 15.1
 129 11.0 8.7 13.1

