

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050139.D
 Acq On : 27 Jul 2018 19:08
 Operator : MD\SY
 Sample : J4184-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BS

Quant Time: Jul 28 00:45:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	754101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1179650	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	983229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	425458	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	499600	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
35) Dibromofluoromethane	7.59	113	439766	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	
50) Toluene-d8	10.09	98	1588590	44.86	ug/l	0.00
Spiked Amount			Recovery	=	89.72%	
62) 4-Bromofluorobenzene	12.40	95	488678	41.91	ug/l	0.00
Spiked Amount			Recovery	=	83.82%	

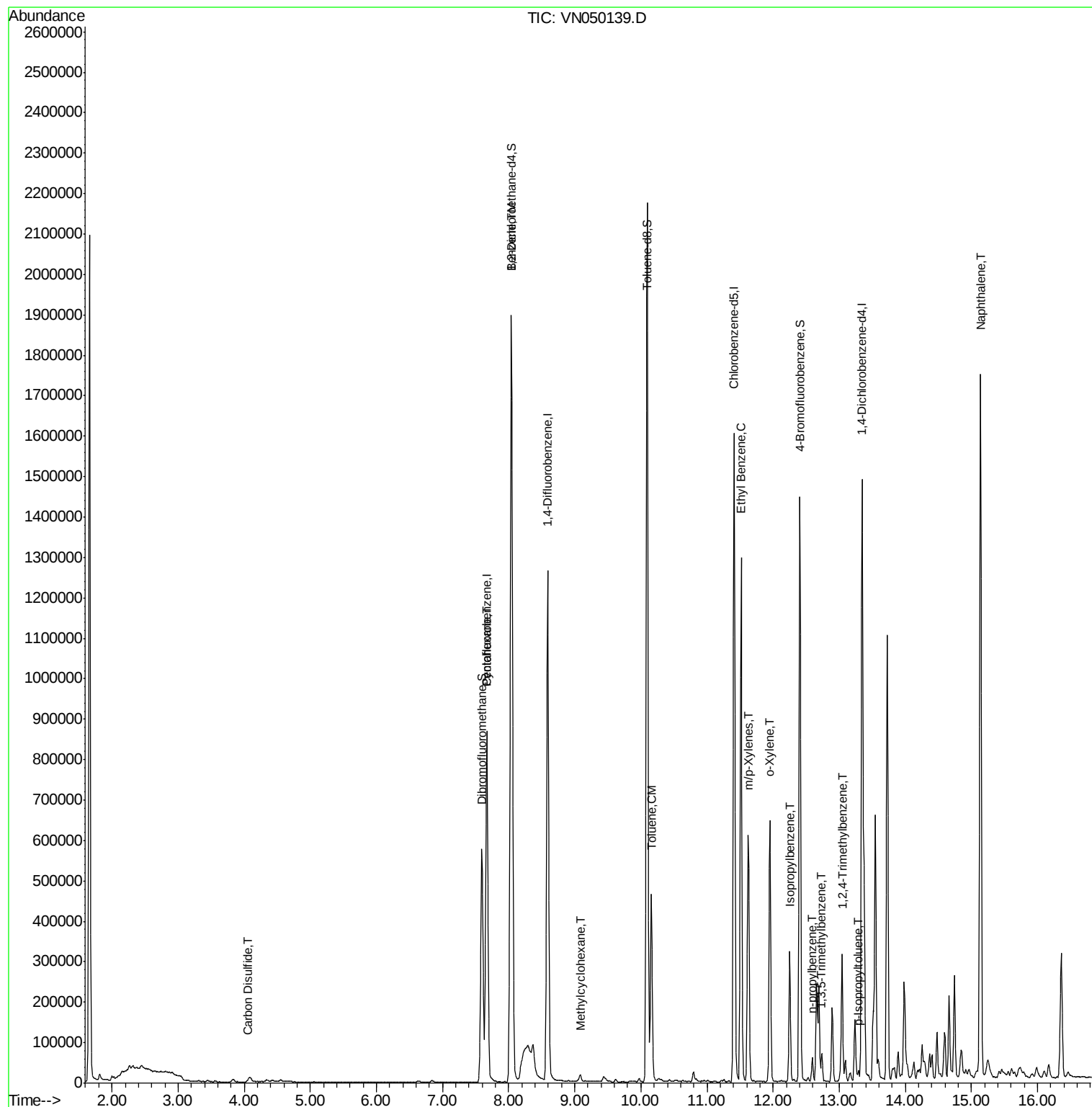
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Carbon Disulfide	4.05	76	6915	0.260	ug/l	100
31) Cyclohexane	7.66	56	17865	1.166	ug/l #	12
39) Methylcyclohexane	9.09	83	6693	0.490	ug/l	97
40) Benzene	8.05	78	1618669	40.024	ug/l	99
52) Toluene	10.16	92	206443	8.648	ug/l	98
67) Ethyl Benzene	11.52	91	953930	23.910	ug/l	100
68) m/p-Xylenes	11.62	106	207845	13.773	ug/l	99
69) o-Xylene	11.95	106	177880	12.365	ug/l	99
73) Isopropylbenzene	12.25	105	213041	6.456	ug/l	99
78) n-propylbenzene	12.59	91	44179	1.198	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	34596	1.333	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	177509	6.785	ug/l	100
86) p-Isopropyltoluene	13.29	119	11208	0.440	ug/l	92
95) Naphthalene	15.14	128	1499976	74.796	ug/l	100

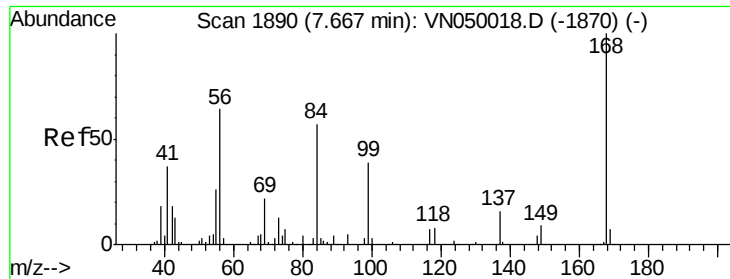
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050139.D

Acq: 27 Jul 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

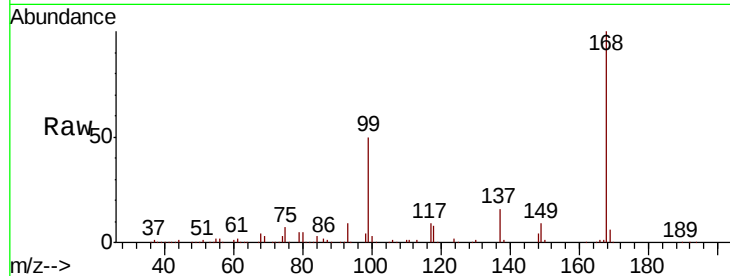
MW-7BS

Tot Ion:168 Resp: 754101

Ion Ratio Lower Upper

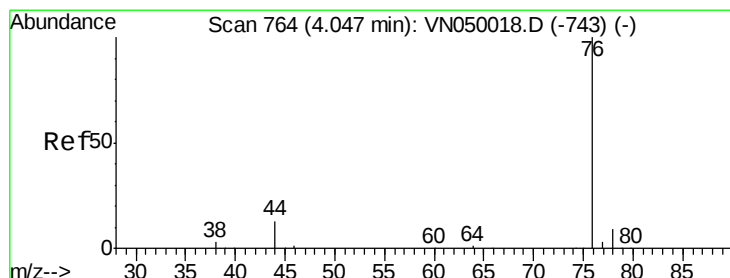
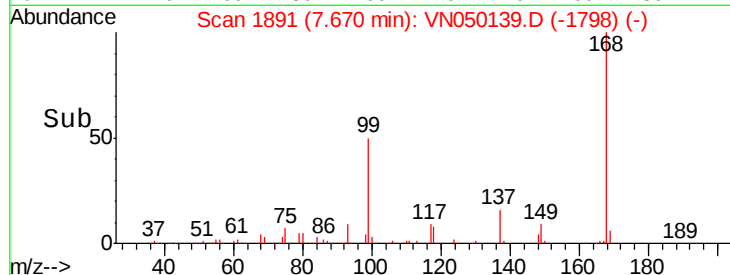
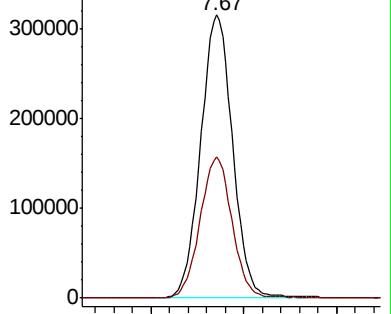
168 100

99 49.7 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#17

Carbon Disulfide

Concen: 0.260 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050139.D

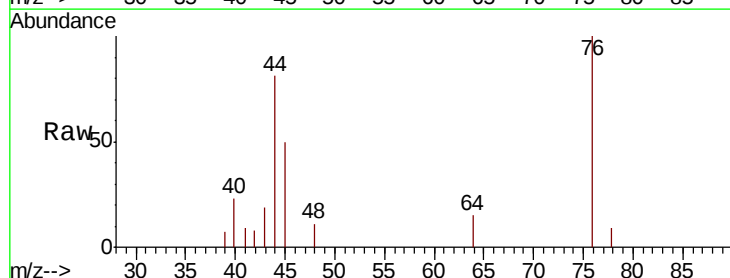
Acq: 27 Jul 2018 19:08

Tgt Ion: 76 Resp: 6915

Ion Ratio Lower Upper

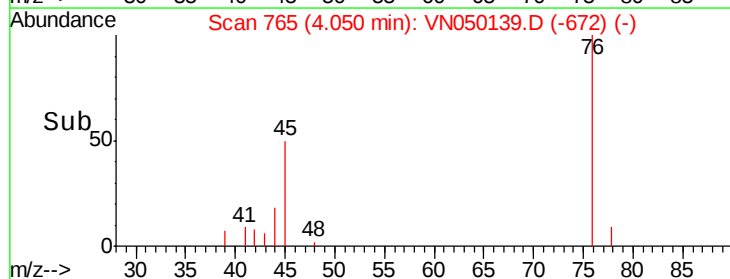
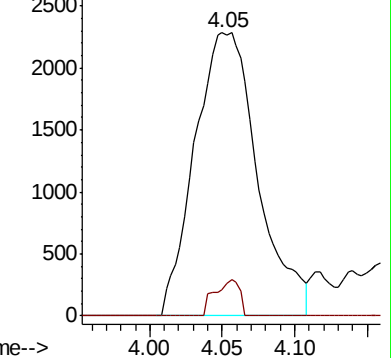
76 100

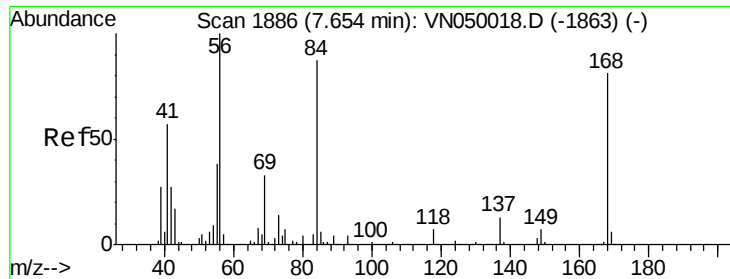
78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

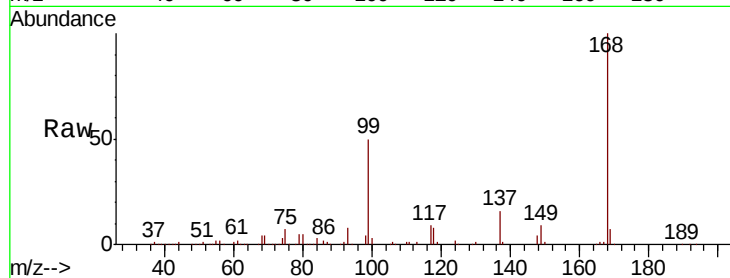




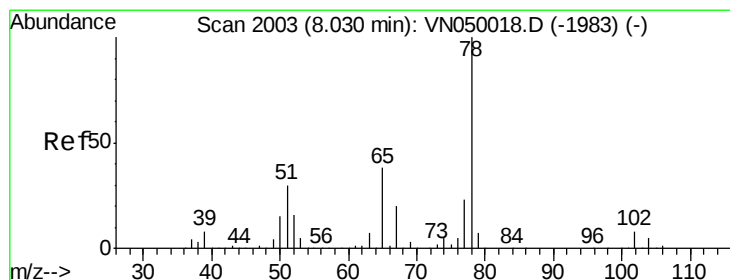
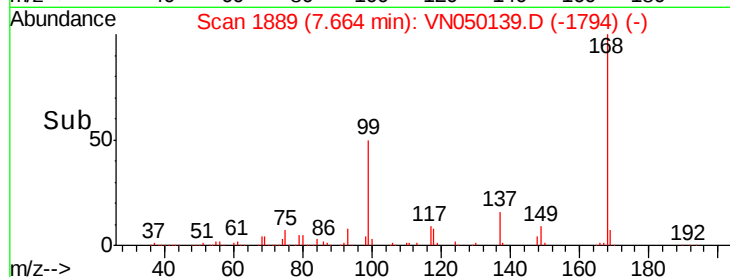
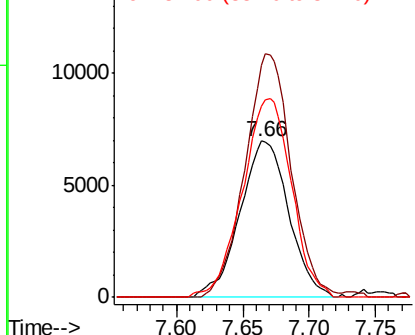
#31
Cyclohexane
Concen: 1.166 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN050139.D
Acq: 27 Jul 2018 19:08

Instrument :
MSVOA_N
ClientSampleId :
MW-7BS

Tot Ion: 56 Resp: 17865
Ion Ratio Lower Upper
56 100
69 148.6 26.2 39.4#
84 122.3 67.4 101.0#

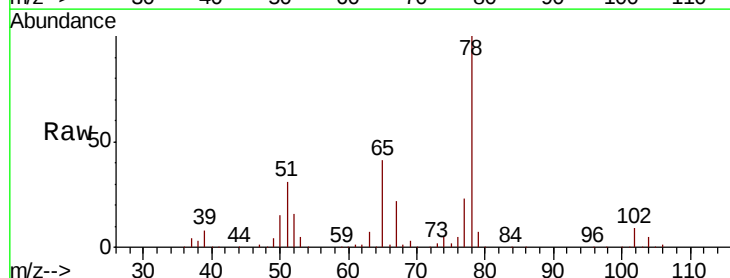


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

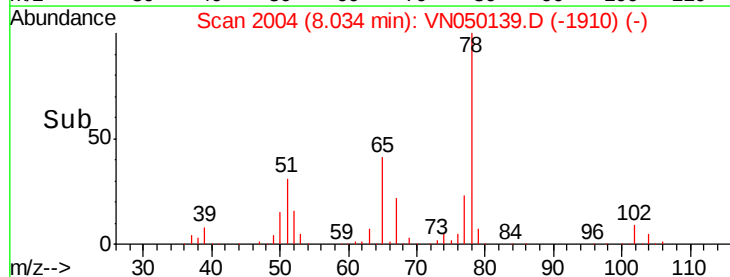
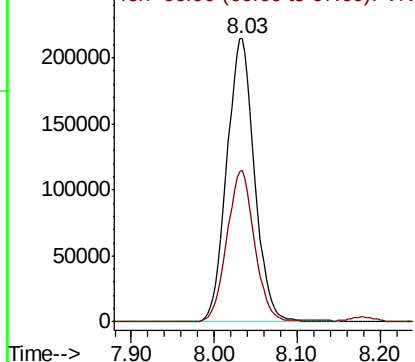


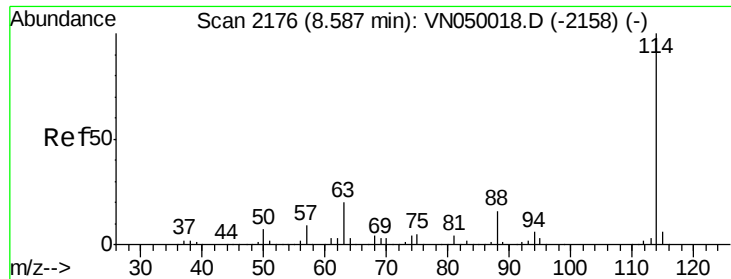
#33
1,2-Dichloroethane-d4
Concen: 47.484 ug/l
RT: 8.03 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VN050139.D
Acq: 27 Jul 2018 19:08

Tgt Ion: 65 Resp: 499600
Ion Ratio Lower Upper
65 100
67 53.2 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

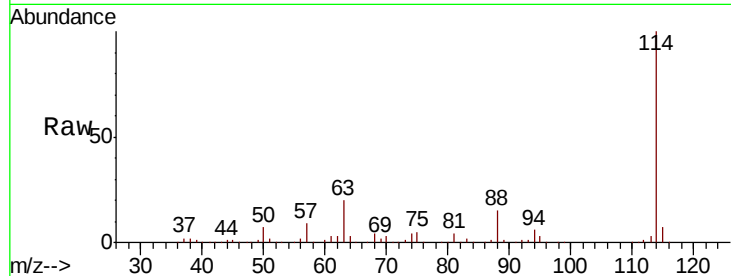




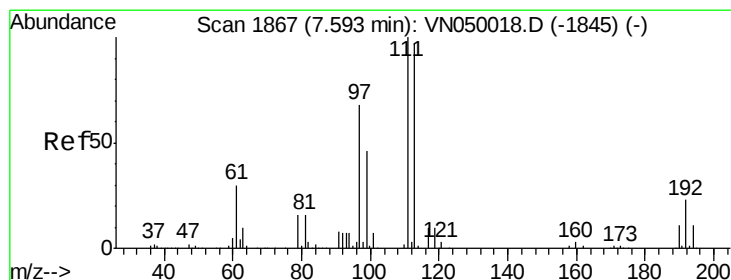
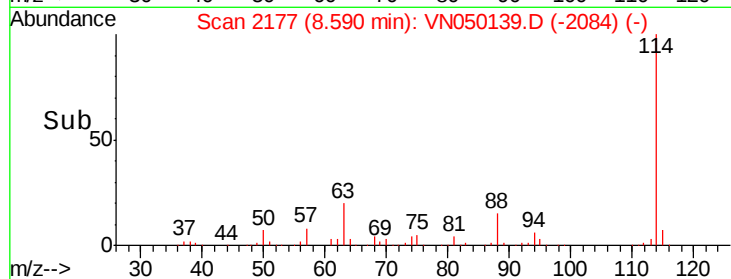
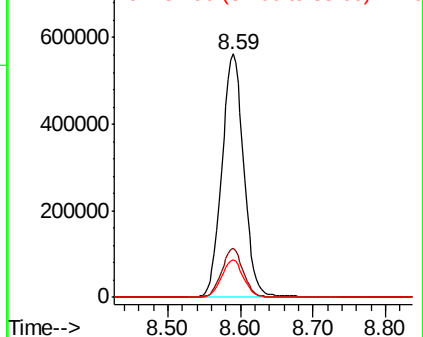
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050139.D
 Acq: 27 Jul 2018 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BS

Tot Ion:114 Resp: 1179650
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.2 0.0 31.2

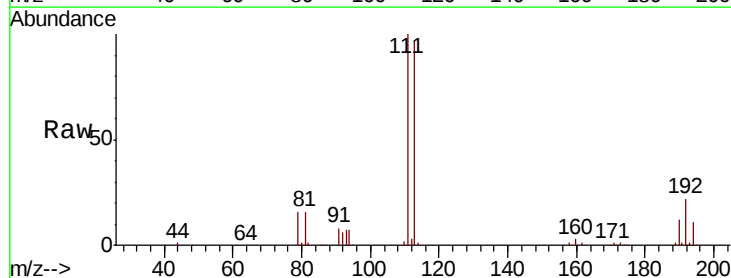


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

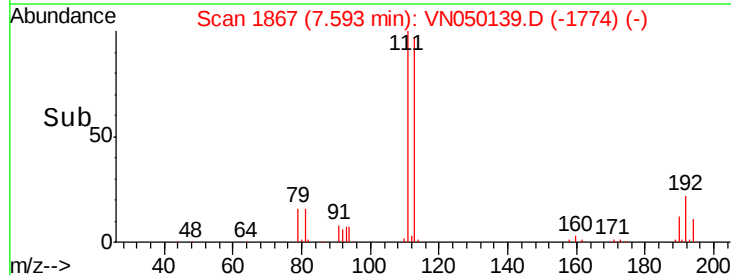
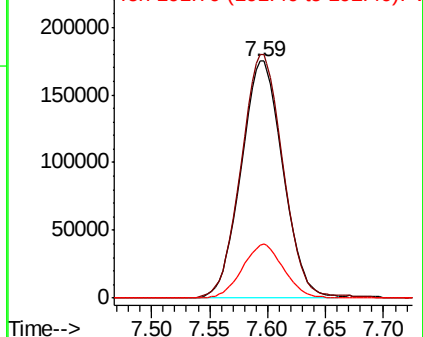


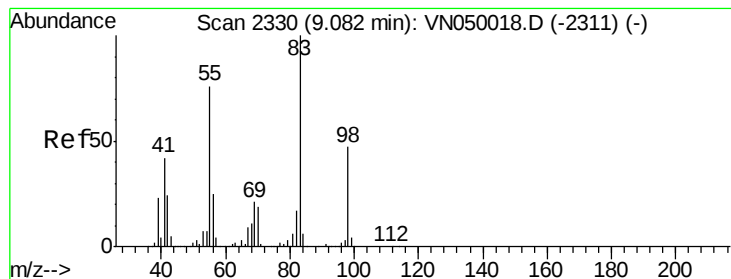
#35
 Dibromofluoromethane
 Concen: 45.659 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050139.D
 Acq: 27 Jul 2018 19:08

Tgt Ion:113 Resp: 439766
 Ion Ratio Lower Upper
 113 100
 111 102.7 80.7 121.1
 192 22.5 17.8 26.6



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

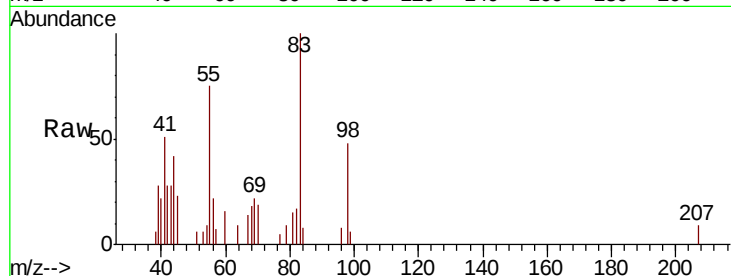




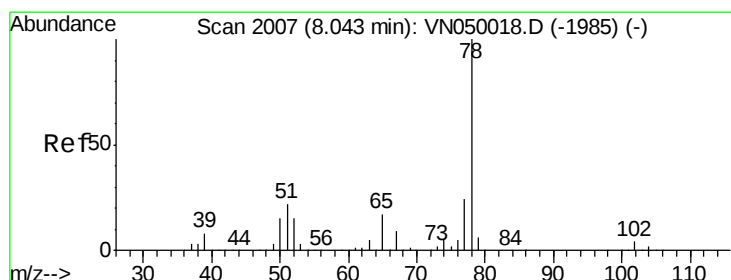
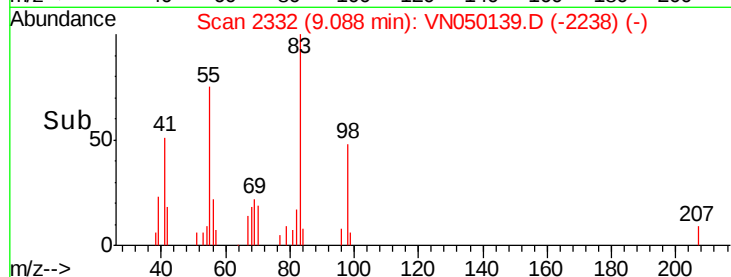
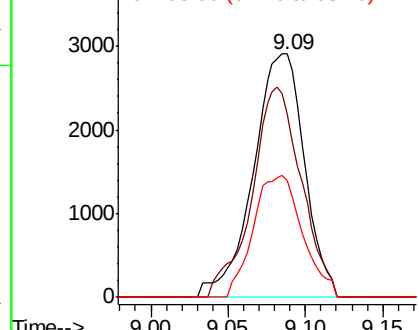
#39
Methvlcvclohexane
Concen: 0.490 ug/l
RT: 9.09 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VN050139.D
Acq: 27 Jul 2018 19:08

Instrument :
MSVOA_N
ClientSampled :
MW-7BS

Tot Ion: 83 Resp: 6693
Ion Ratio Lower Upper
83 100
55 75.4 61.8 92.8
98 47.9 36.5 54.7

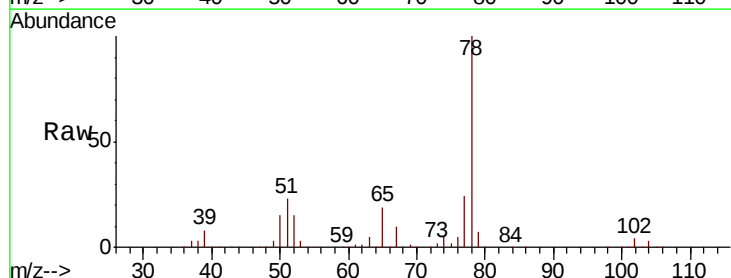


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

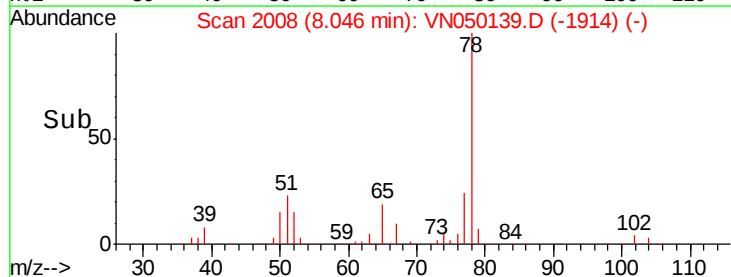
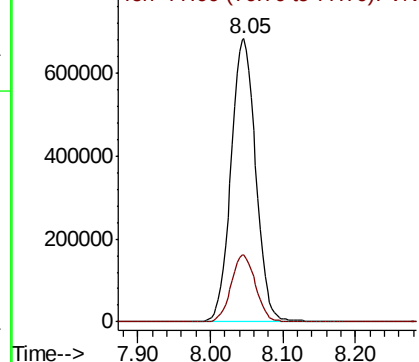


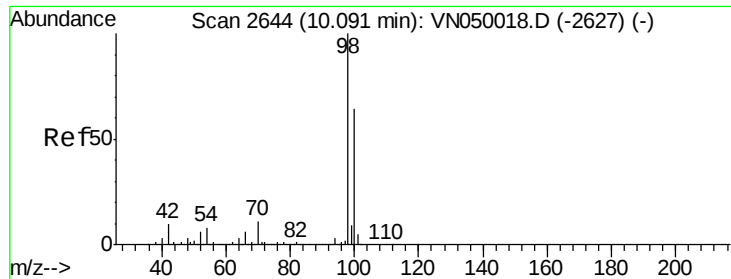
#40
Benzene
Concen: 40.024 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN050139.D
Acq: 27 Jul 2018 19:08

Tgt Ion: 78 Resp: 1618669
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#50

Toluene-d8

Concen: 44.863 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050139.D

Acq: 27 Jul 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

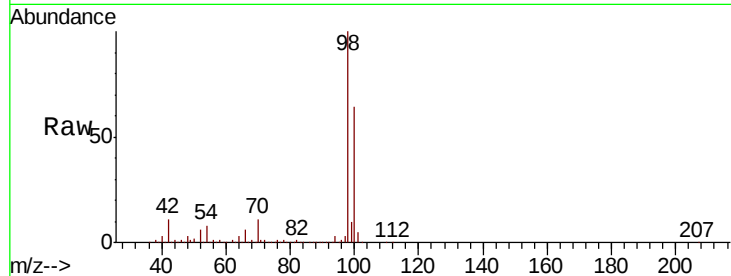
MW-7BS

Tot Ion: 98 Resp: 1588590

Ion Ratio Lower Upper

98 100

100 64.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN050018.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050018.D (-2627) (-)

10.09

800000

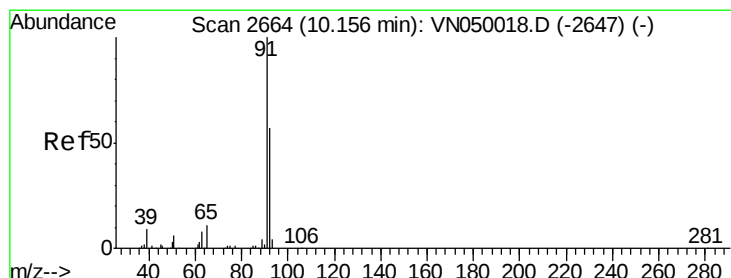
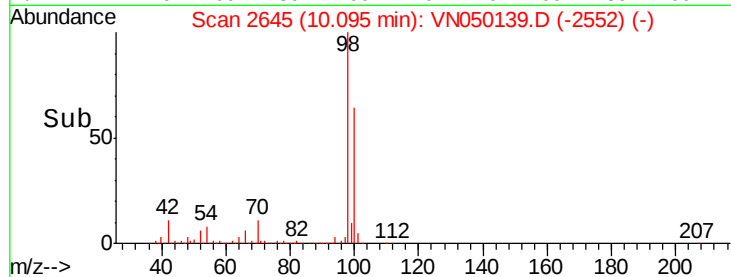
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 8.648 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050139.D

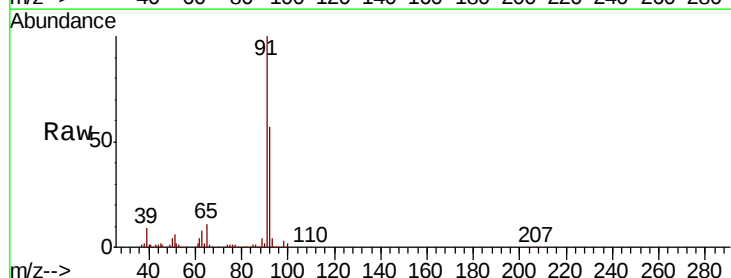
Acq: 27 Jul 2018 19:08

Tgt Ion: 92 Resp: 206443

Ion Ratio Lower Upper

92 100

91 172.8 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN050018.D (-2647) (-)

Ion 91.00 (90.70 to 91.70): VN050018.D (-2647) (-)

10.16

200000

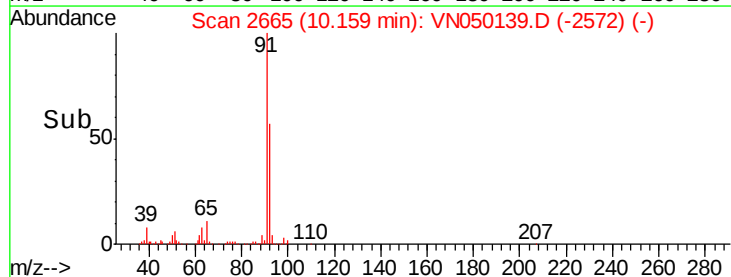
150000

100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 41.913 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050139.D

Acq: 27 Jul 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

MW-7BS

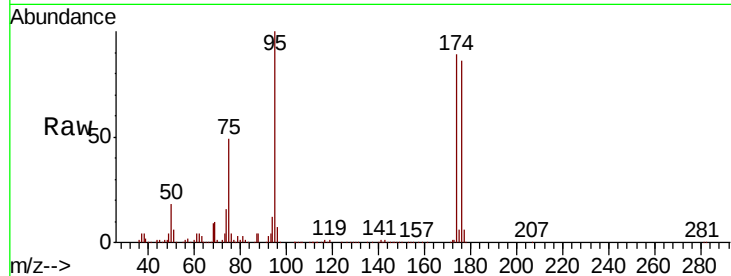
Tot Ion: 95 Resp: 488678

Ion Ratio Lower Upper

95 100

174 90.7 0.0 178.2

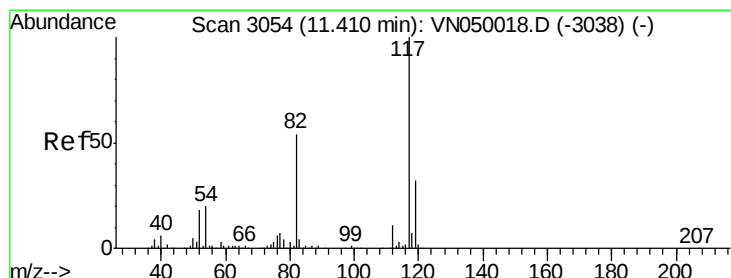
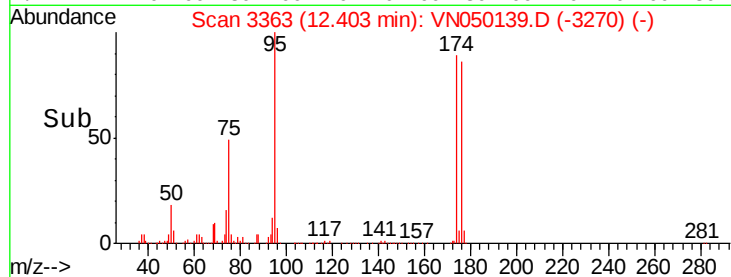
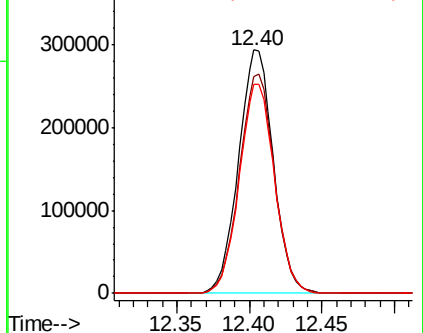
176 87.3 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN050018.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050018.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050018.D (-3348) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050139.D

Acq: 27 Jul 2018 19:08

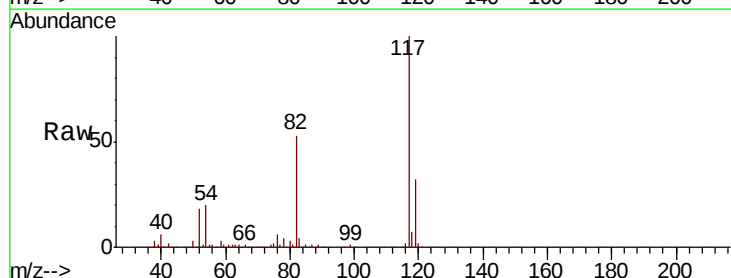
Tgt Ion: 117 Resp: 983229

Ion Ratio Lower Upper

117 100

82 53.5 43.7 65.5

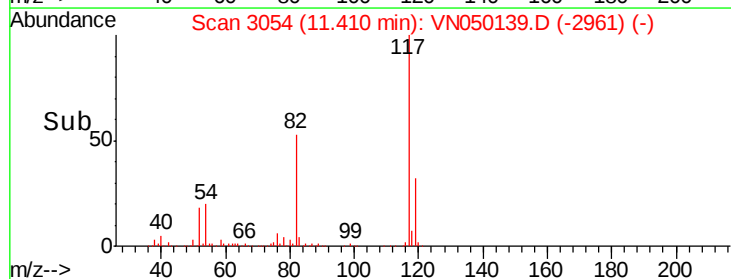
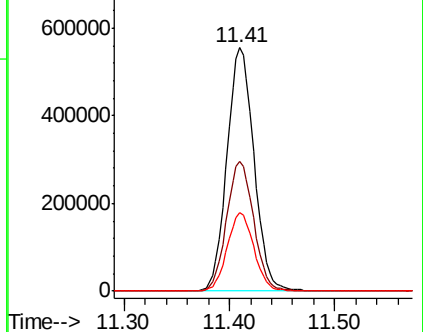
119 32.1 26.1 39.1

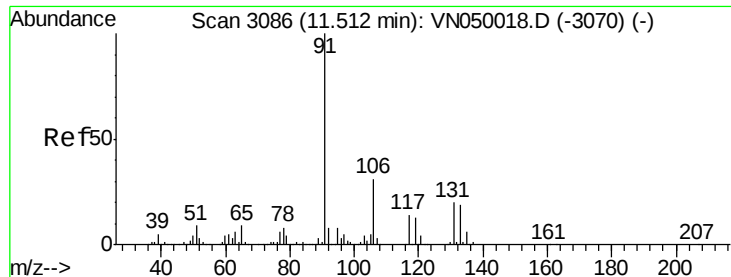


Abundance Ion 116.90 (116.60 to 117.60): VN050018.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050018.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050018.D (-3038) (-)





#67

Ethyl Benzene

Concen: 23.910 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN050139.D

Acq: 27 Jul 2018 19:08

Instrument :

MSVOA_N

ClientSampled :

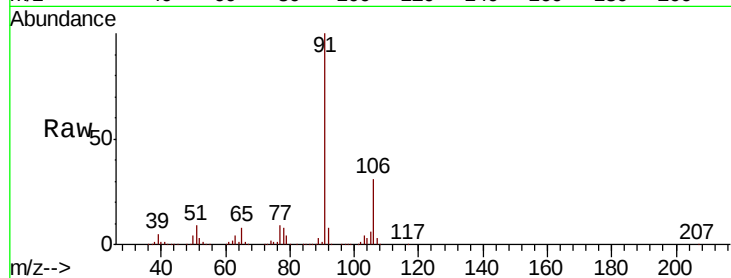
MW-7BS

Tot Ion: 91 Resp: 953930

Ion Ratio Lower Upper

91 100

106 31.3 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3070) (-)

Ion 106.00 (105.70 to 106.70): VN050018.D (-3070) (-)

11.52

600000

500000

400000

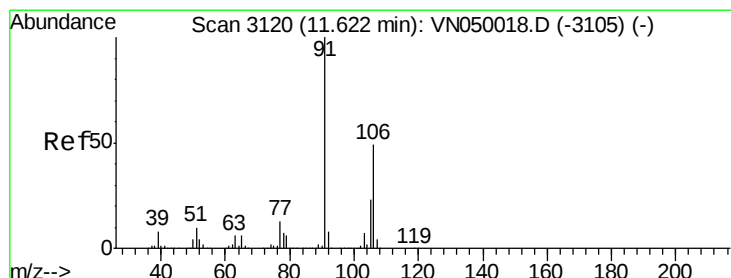
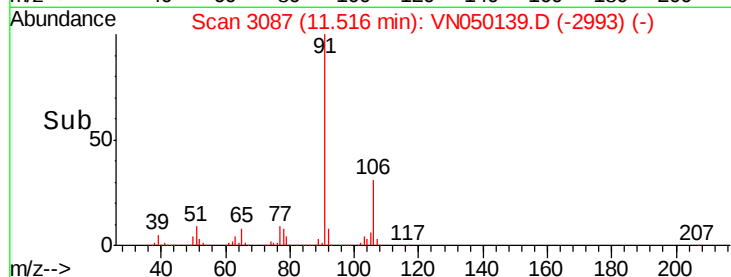
300000

200000

100000

0

Time--> 11.40 11.50 11.60



#68

m/p-Xylenes

Concen: 13.773 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050139.D

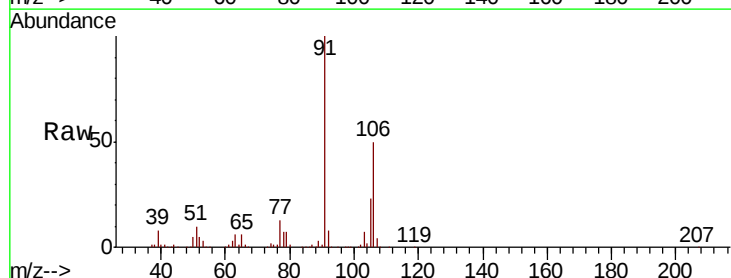
Acq: 27 Jul 2018 19:08

Tgt Ion: 106 Resp: 207845

Ion Ratio Lower Upper

106 100

91 203.7 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): VN050018.D (-3105) (-)

Ion 91.00 (90.70 to 91.70): VN050018.D (-3105) (-)

11.62

600000

500000

400000

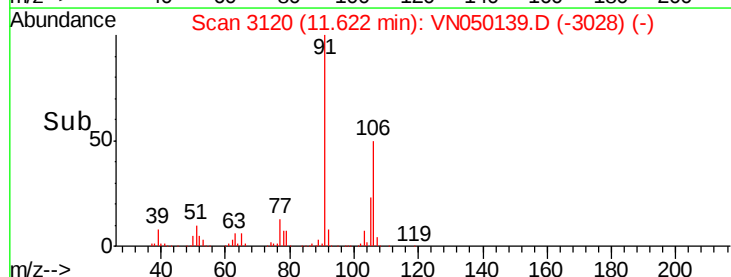
300000

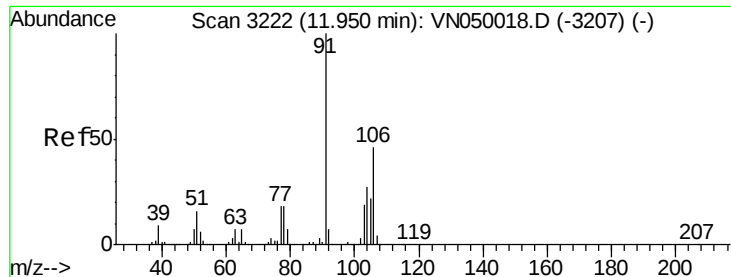
200000

100000

0

Time--> 11.55 11.60 11.65 11.70

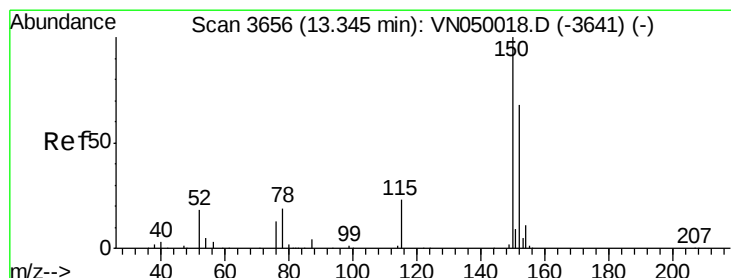
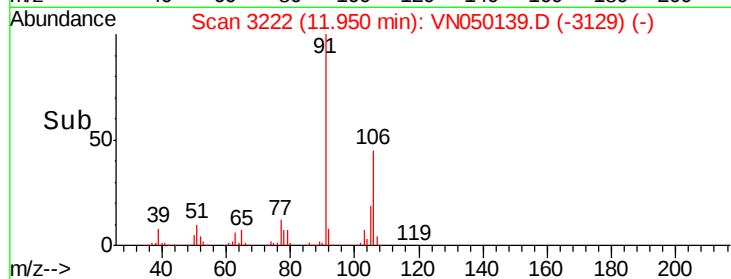
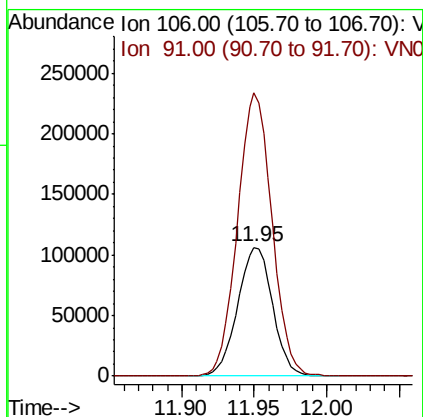
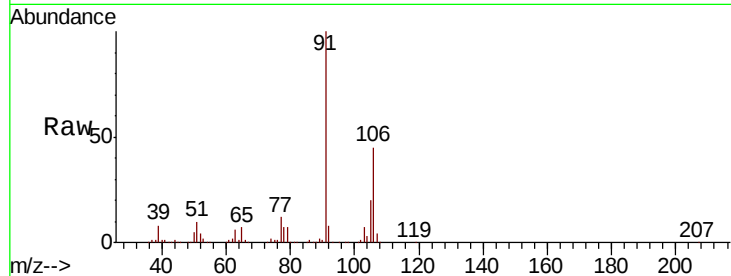




#69
o-Xylene
Concen: 12.365 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050139.D
Acq: 27 Jul 2018 19:08

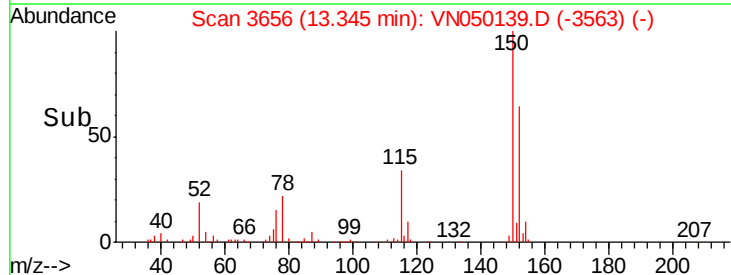
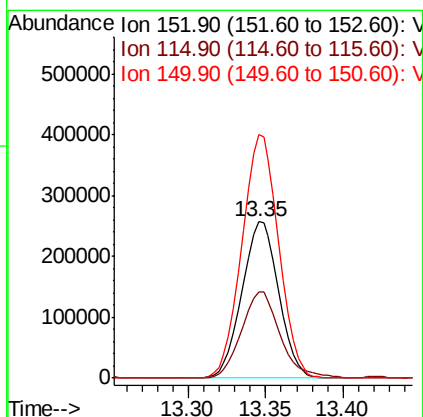
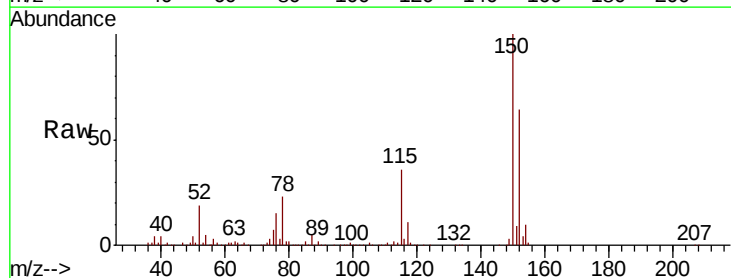
Instrument :
MSVOA_N
ClientSampled :
MW-7BS

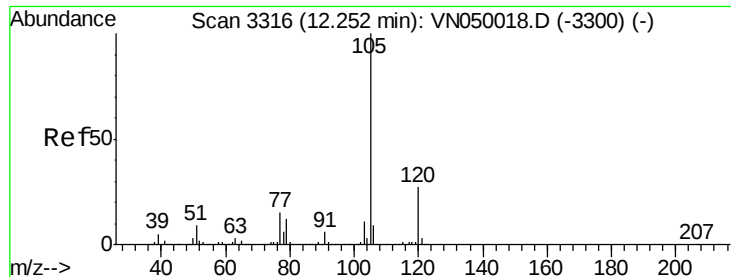
Tot Ion:106 Resp: 177880
Ion Ratio Lower Upper
106 100
91 217.2 107.7 323.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050139.D
Acq: 27 Jul 2018 19:08

Tgt Ion:152 Resp: 425458
Ion Ratio Lower Upper
152 100
115 57.0 27.8 83.3
150 155.7 0.0 348.6





#73

Isopropylbenzene

Concen: 6.456 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050139.D

Acq: 27 Jul 2018 19:08

Instrument :

MSVOA_N

ClientSampled :

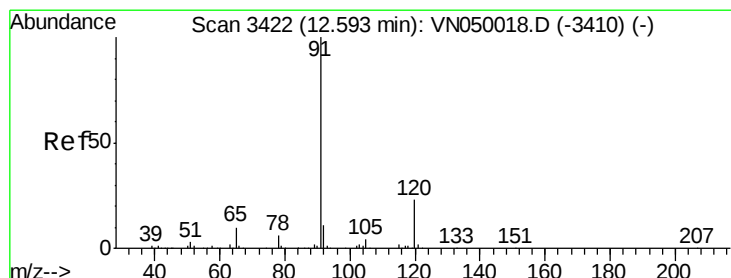
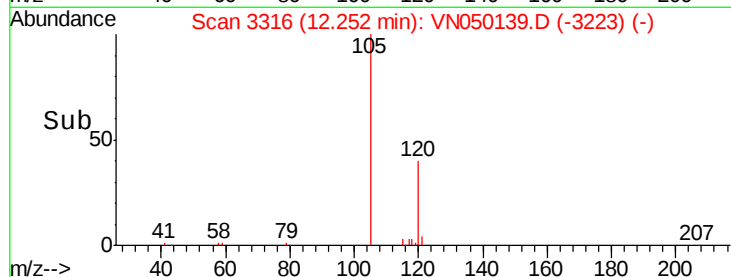
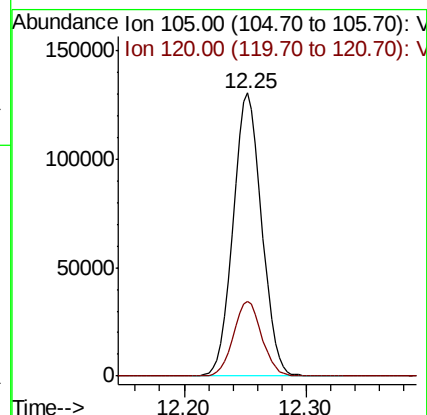
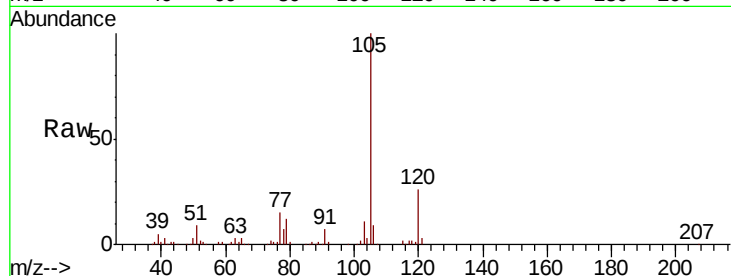
MW-7BS

Tot Ion:105 Resp: 213041

Ion Ratio Lower Upper

105 100

120 26.2 13.3 39.8



#78

n-propylbenzene

Concen: 1.198 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050139.D

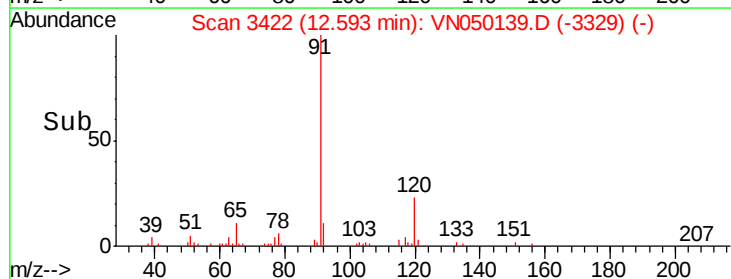
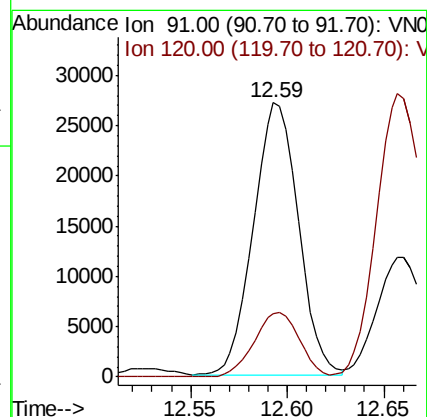
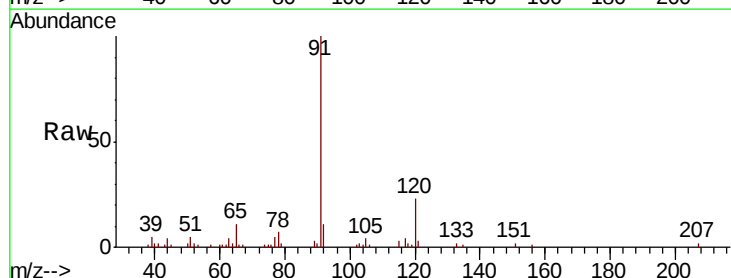
Acq: 27 Jul 2018 19:08

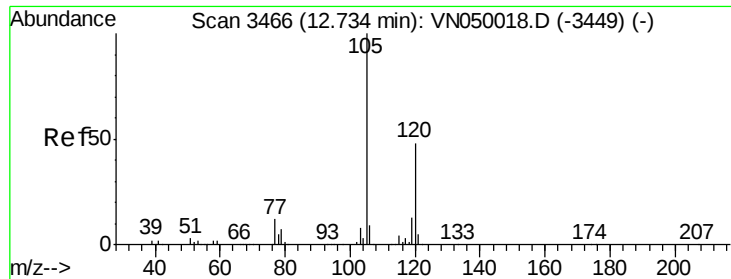
Tgt Ion: 91 Resp: 44179

Ion Ratio Lower Upper

91 100

120 23.7 11.6 34.7

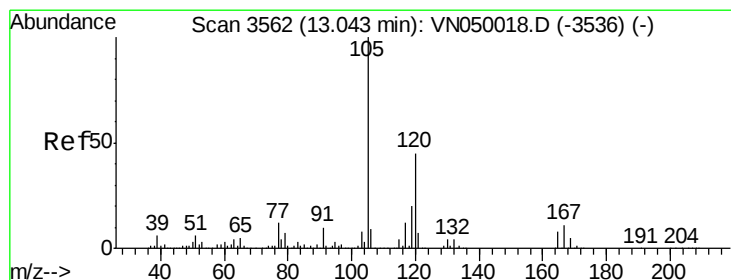
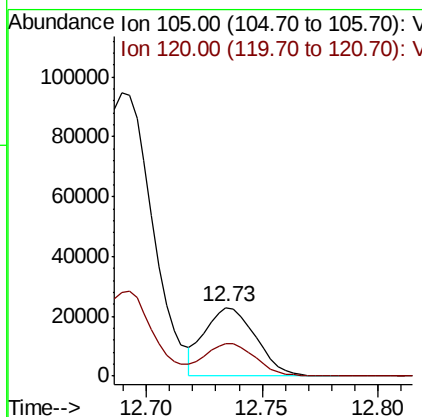
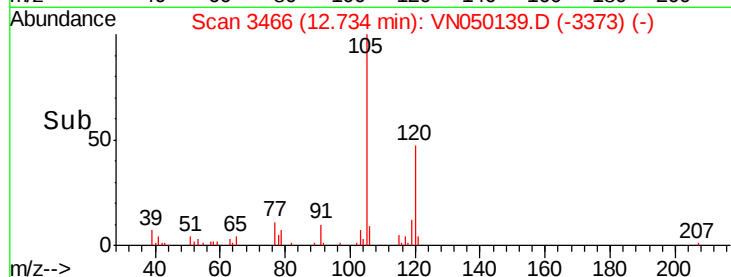
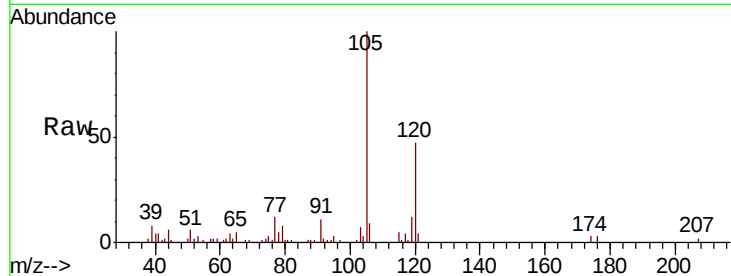




#80
 1,3,5-Trimethylbenzene
 Concen: 1.333 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050139.D
 Acq: 27 Jul 2018 19:08

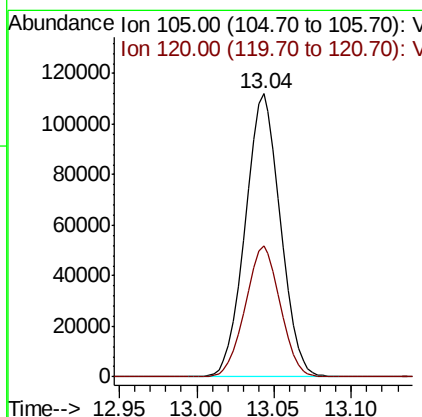
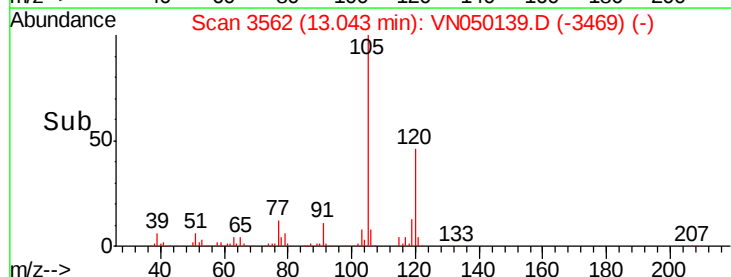
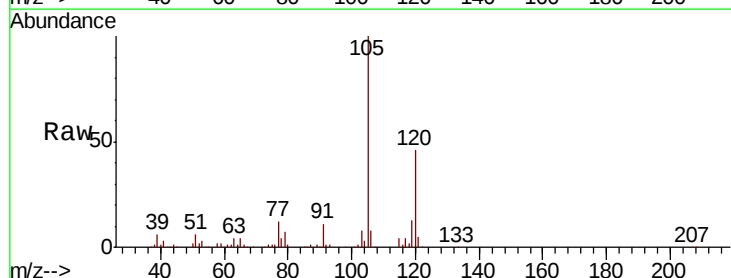
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BS

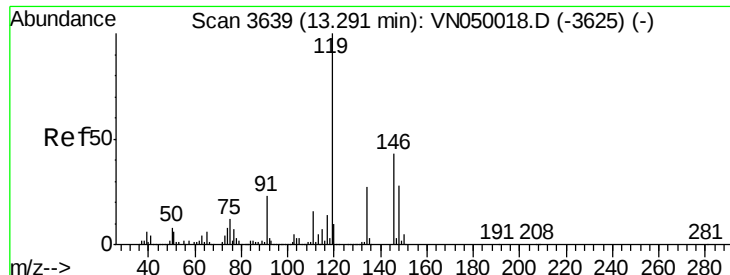
Tot Ion:105 Resp: 34596
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.4 73.2



#84
 1,2,4-Trimethylbenzene
 Concen: 6.785 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050139.D
 Acq: 27 Jul 2018 19:08

Tgt Ion:105 Resp: 177509
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.9 68.7

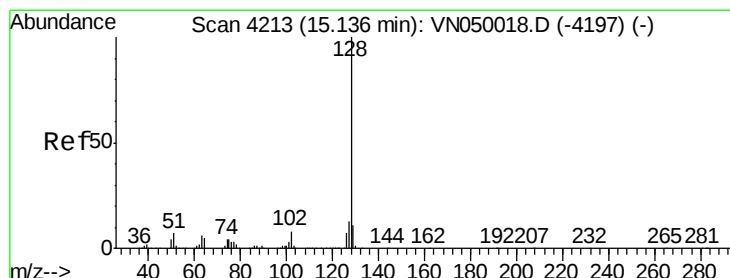
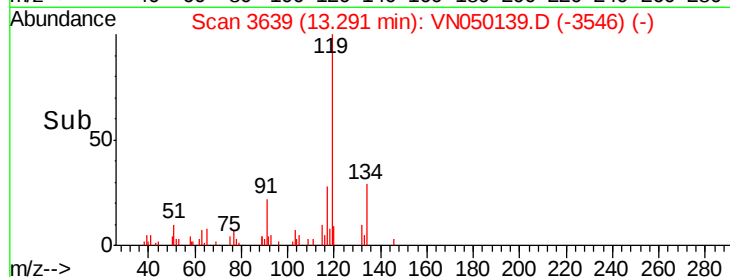
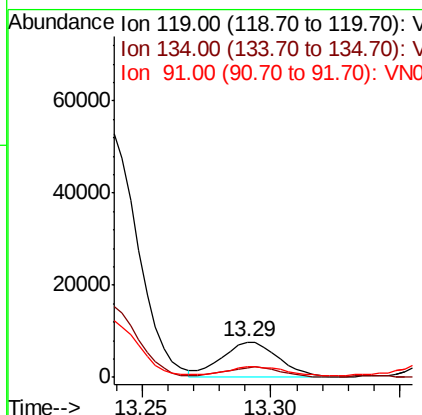
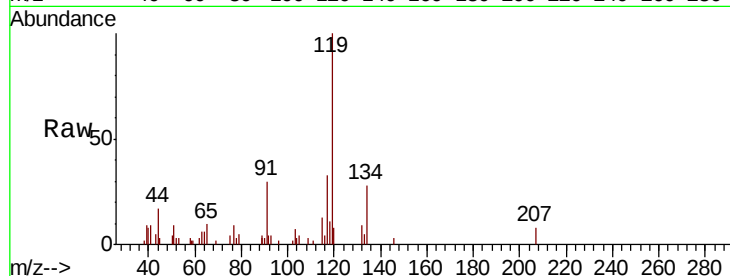




#86
 p-Isopropyltoluene
 Concen: 0.440 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050139.D
 Acq: 27 Jul 2018 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BS

Tot Ion	Ratio	Lower	Upper
119	100		
134	30.3	13.3	39.8
91	26.5	11.4	34.2



#95
 Naphthalene
 Concen: 74.796 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN050139.D
 Acq: 27 Jul 2018 19:08

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.9	8.8	13.2

