

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053084.D
 Acq On : 21 Dec 2018 4:22
 Operator : MD\SY
 Sample : J6517-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 T3-MW-7-10.0-121918

Quant Time: Dec 21 07:28:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1269584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1934079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1744345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	766520	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	606624	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
35) Dibromofluoromethane	7.59	113	537950	60.89	ug/l	0.00
Spiked Amount			Recovery	=	121.78%	
50) Toluene-d8	10.09	98	2341739	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.40	95	814041	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	

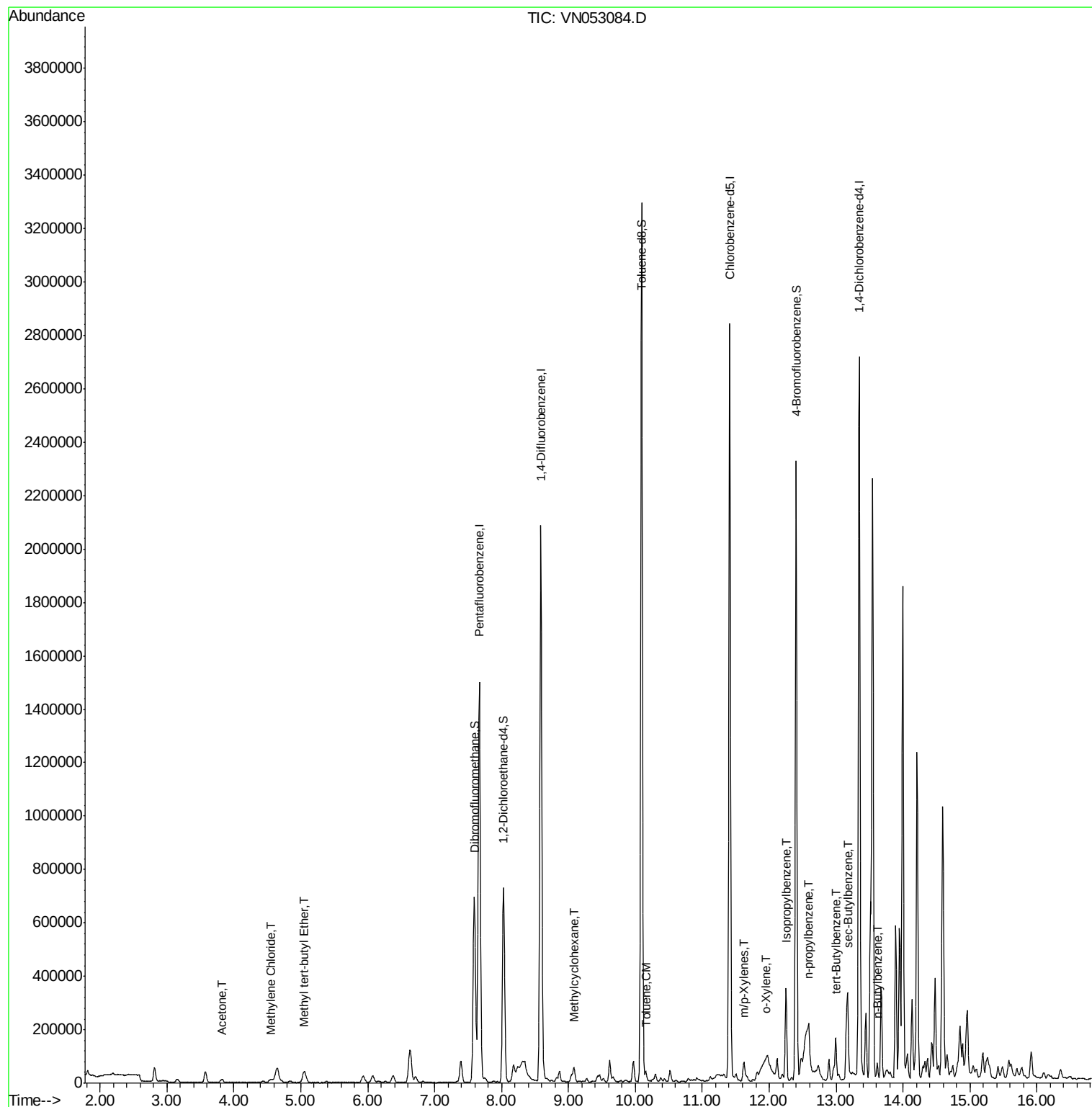
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	20728	8.205	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	56454	1.743	ug/l #	58
20) Methylene Chloride	4.56	84	3680	0.267	ug/l	90
39) Methylcyclohexane	9.08	83	25967	1.151	ug/l	97
52) Toluene	10.16	92	14538	0.425	ug/l	99
68) m/p-Xylenes	11.62	106	24445	0.967	ug/l	96
69) o-Xylene	11.95	106	5967	0.246	ug/l	99
73) Isopropylbenzene	12.25	105	231708	3.864	ug/l	99
78) n-propylbenzene	12.59	91	78688	1.152	ug/l	99
83) tert-Butylbenzene	12.99	119	78310	1.811	ug/l	98
85) sec-Butylbenzene	13.17	105	207084	3.541	ug/l #	68
89) n-Butylbenzene	13.62	91	31119	0.716	ug/l	95

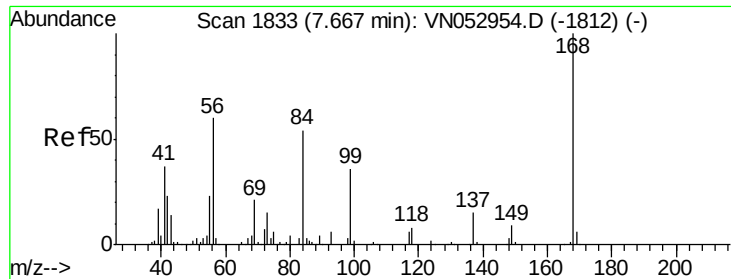
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

Instrument :

MSVOA_N

ClientSampleId :

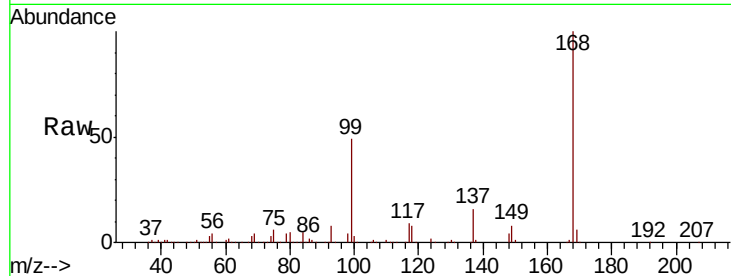
T3-MW-7-10.0-121918

Tot Ion:168 Resp: 1269584

Ion Ratio Lower Upper

168 100

99 49.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053084.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053084.D (-1740) (-)

7.67

600000

500000

400000

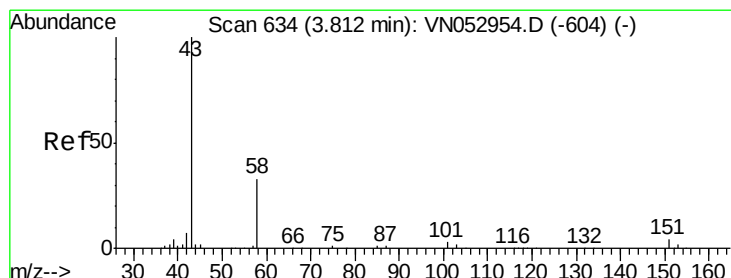
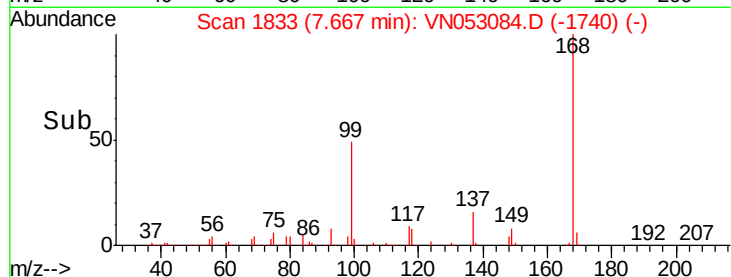
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 8.205 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053084.D

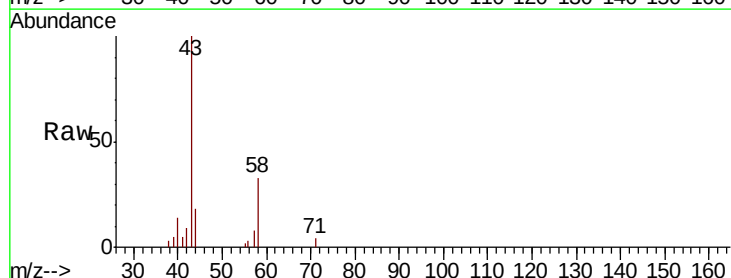
Acq: 21 Dec 2018 4:22

Tgt Ion: 43 Resp: 20728

Ion Ratio Lower Upper

43 100

58 32.9 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053084.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053084.D (-541) (-)

3.82

8000

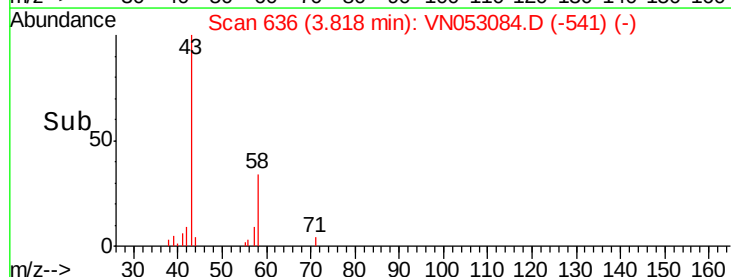
6000

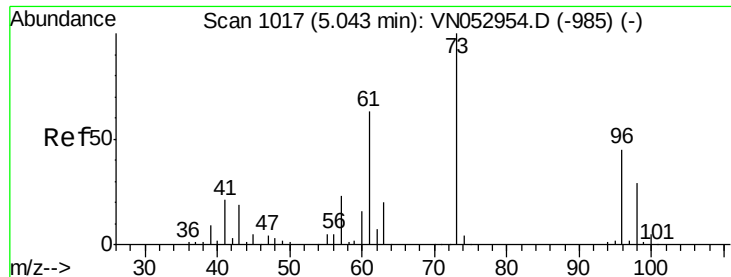
4000

2000

0

Time-->

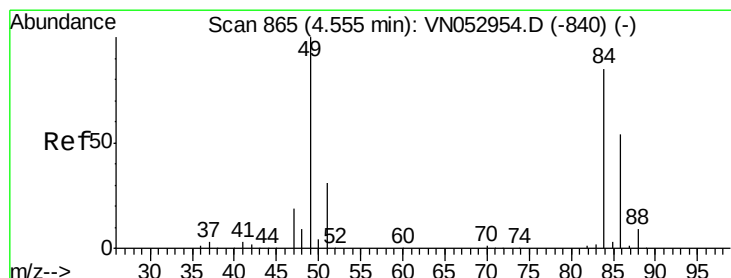
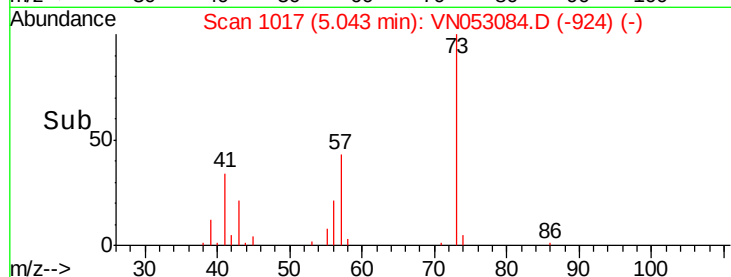
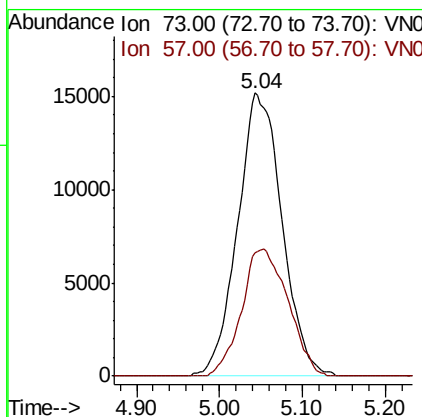
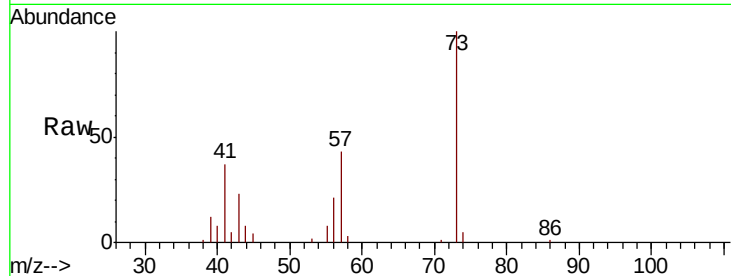




#19
Methvl tert-butyl Ether
Concen: 1.743 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053084.D
Acq: 21 Dec 2018 4:22

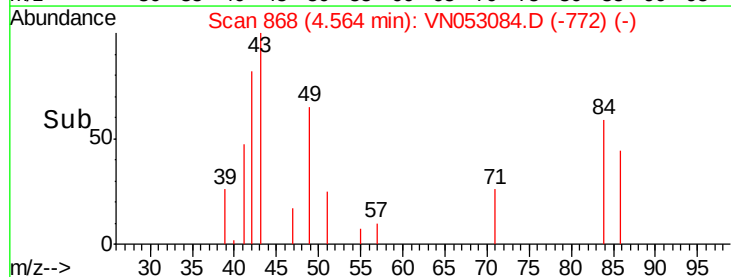
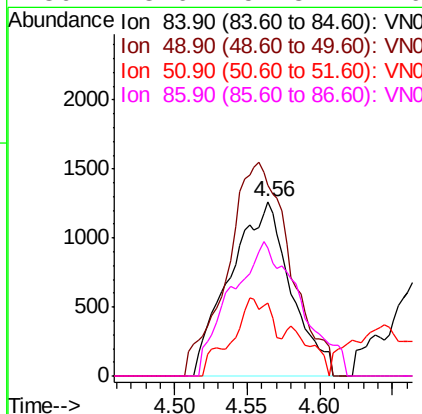
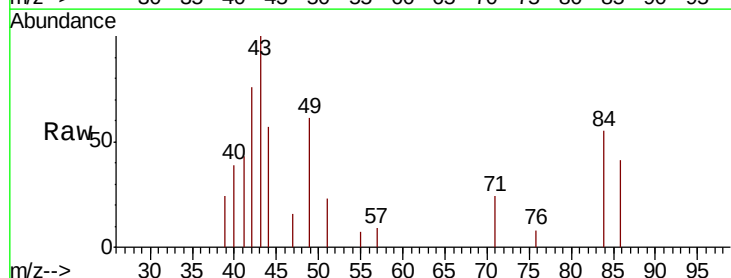
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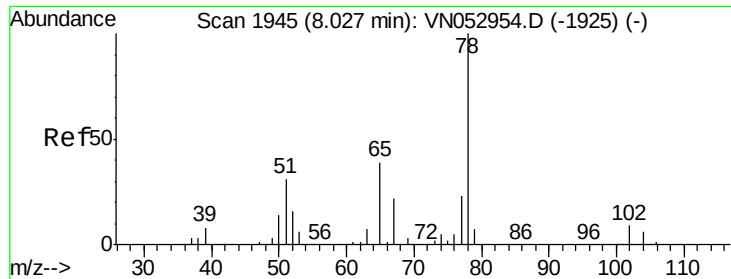
Tot Ion: 73 Resp: 56454
Ion Ratio Lower Upper
73 100
57 43.5 18.4 27.6#



#20
Methylene Chloride
Concen: 0.267 ug/l
RT: 4.56 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN053084.D
Acq: 21 Dec 2018 4:22

Tgt Ion: 84 Resp: 3680
Ion Ratio Lower Upper
84 100
49 109.7 96.8 145.2
51 41.9 29.9 44.9
86 73.6 51.8 77.6

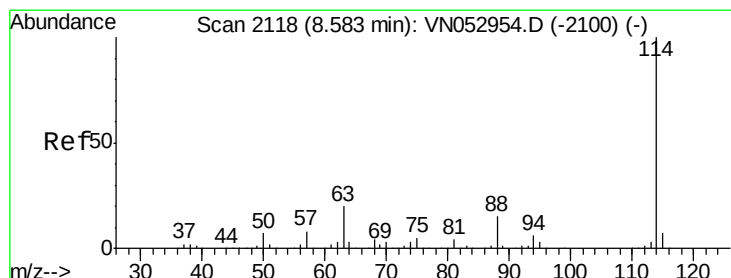
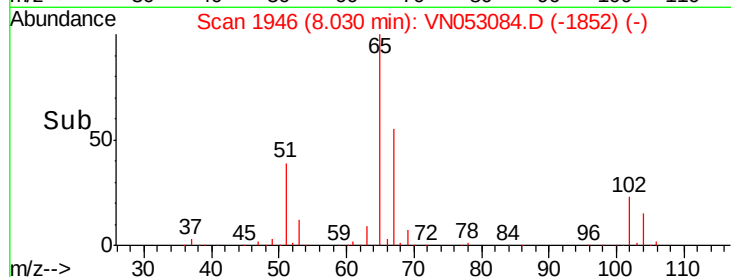
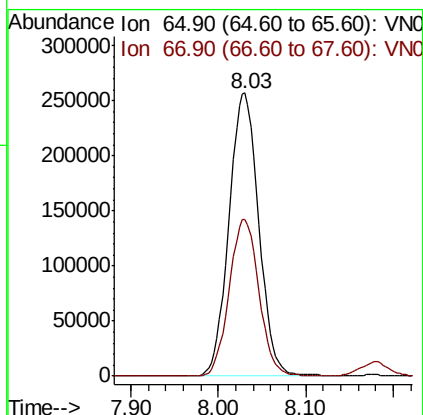
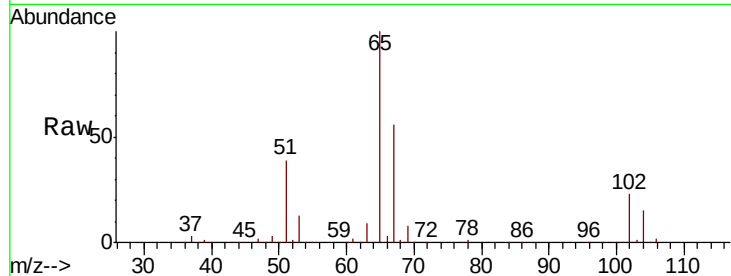




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN053084.D
 Acq: 21 Dec 2018 4:22

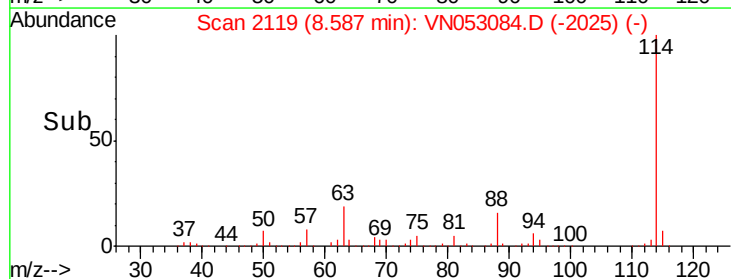
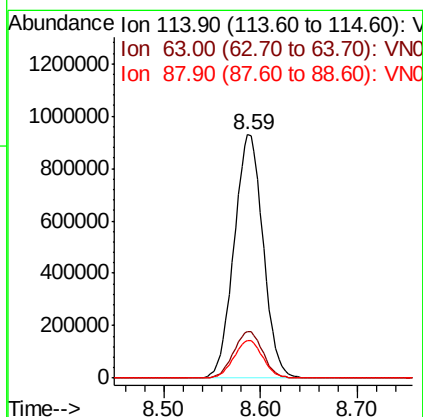
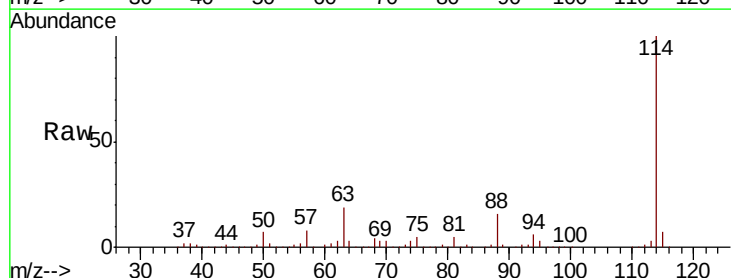
Instrument :
 MSVOA_N
 ClientSampleId :
 T3-MW-7-10.0-121918

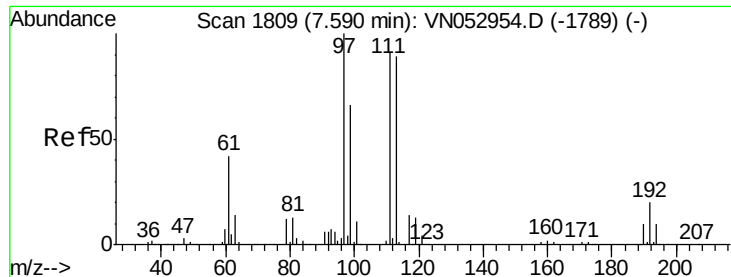
Tot Ion: 65 Resp: 606624
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053084.D
 Acq: 21 Dec 2018 4:22

Tgt Ion: 114 Resp: 1934079
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.8
 88 15.5 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

Instrument :

MSVOA_N

ClientSampleId :

T3-MW-7-10.0-121918

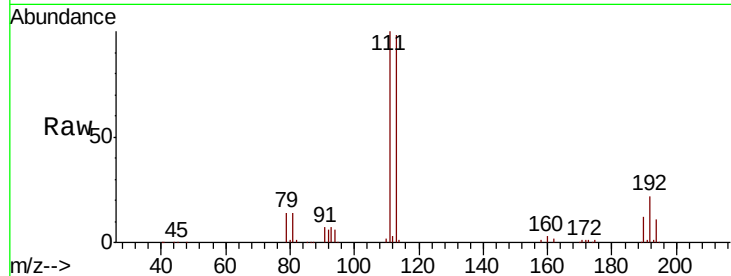
Tot Ion:113 Resp: 537950

Ion Ratio Lower Upper

113 100

111 101.7 83.0 124.4

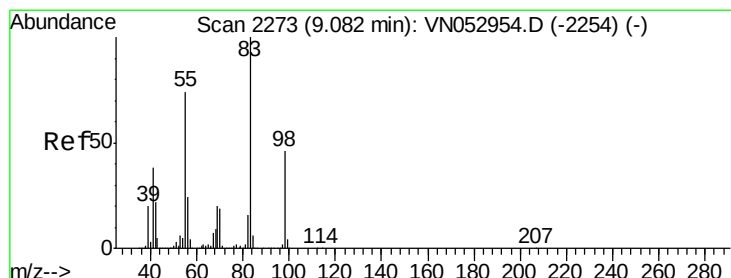
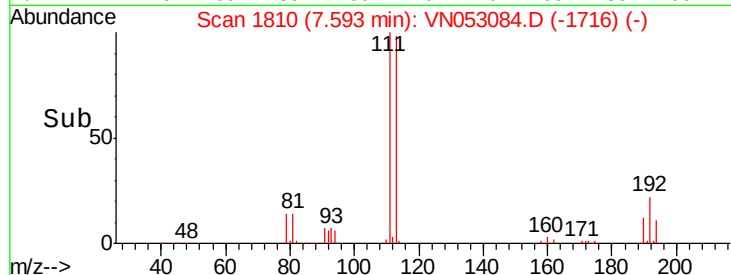
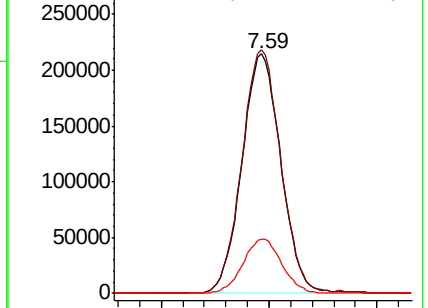
192 22.7 17.5 26.3



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: 1.151 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

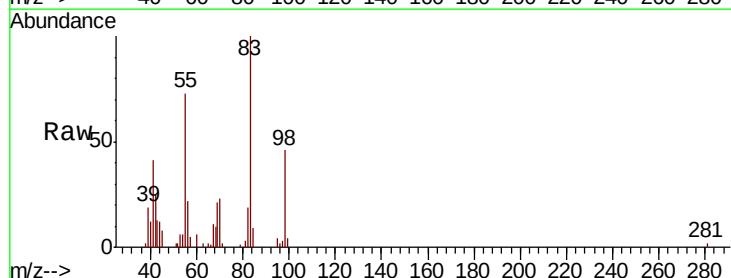
Tgt Ion: 83 Resp: 25967

Ion Ratio Lower Upper

83 100

55 72.6 61.3 91.9

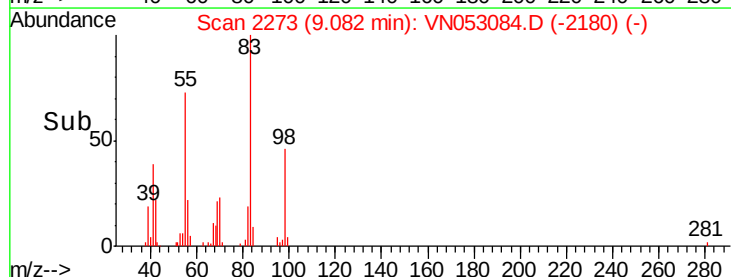
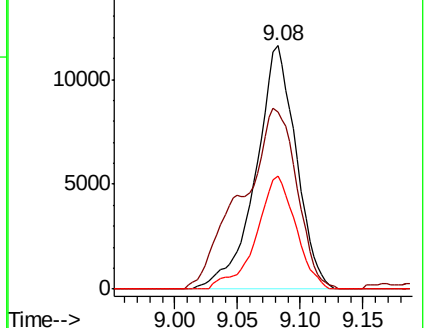
98 46.3 37.0 55.4

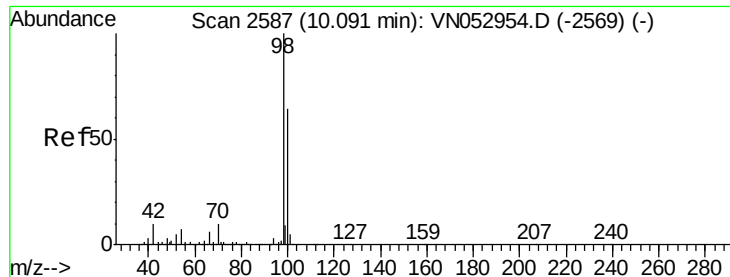


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

Instrument :

MSVOA_N

ClientSampleId :

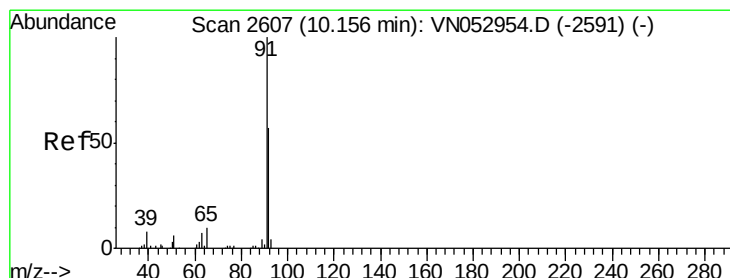
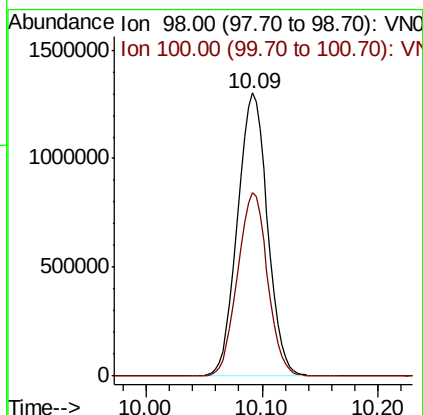
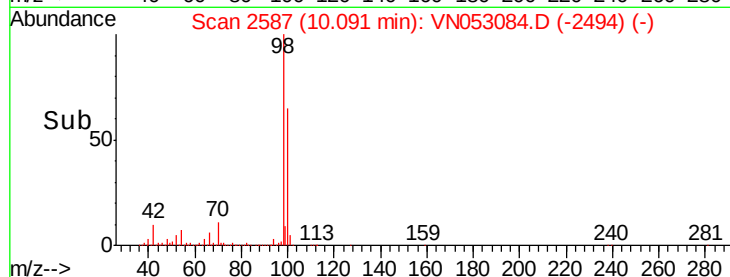
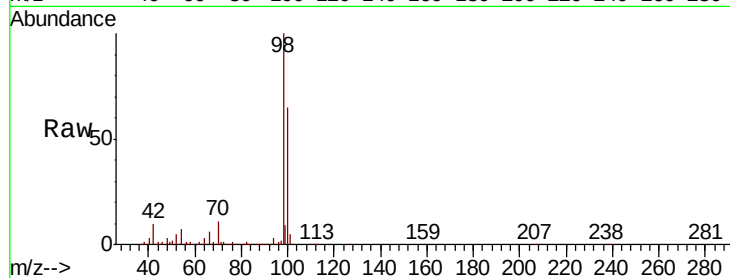
T3-MW-7-10.0-121918

Tot Ion: 98 Resp: 2341739

Ion Ratio Lower Upper

98 100

100 64.8 51.6 77.4



#52

Toluene

Concen: 0.425 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053084.D

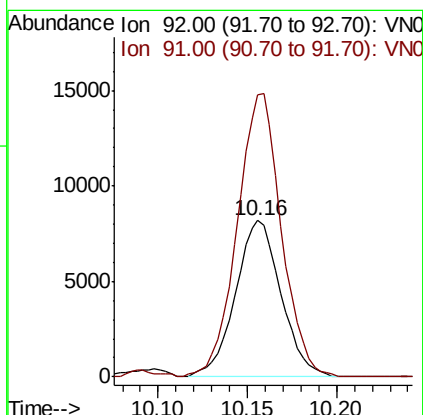
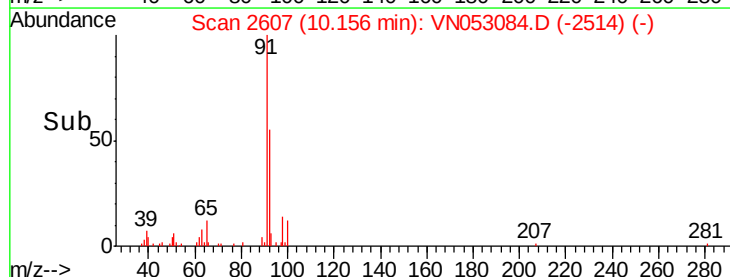
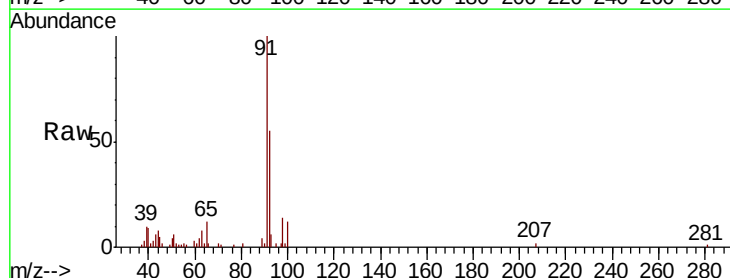
Acq: 21 Dec 2018 4:22

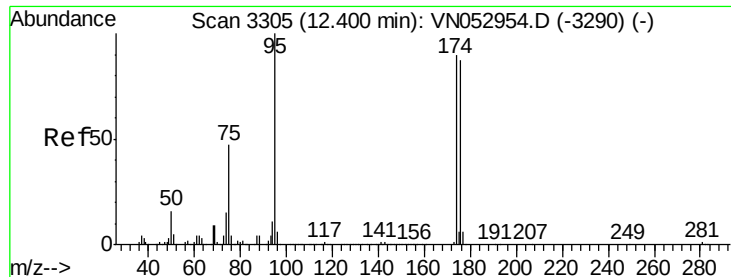
Tgt Ion: 92 Resp: 14538

Ion Ratio Lower Upper

92 100

91 175.4 139.8 209.6





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

Instrument :

MSVOA_N

ClientSampleId :

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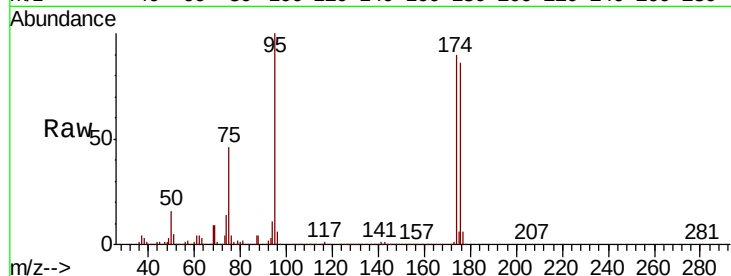
Tot Ion: 95 Resp: 814041

Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.8

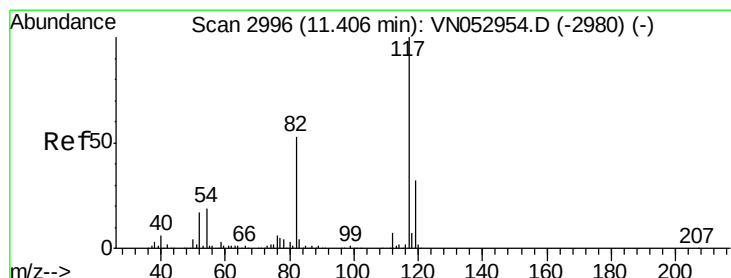
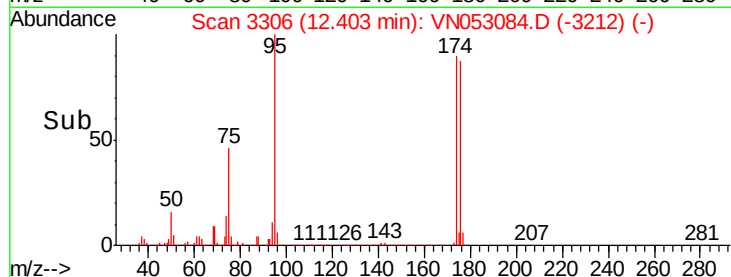
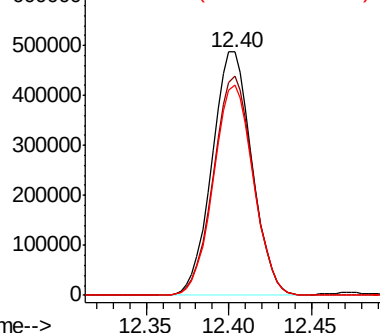
176 86.6 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

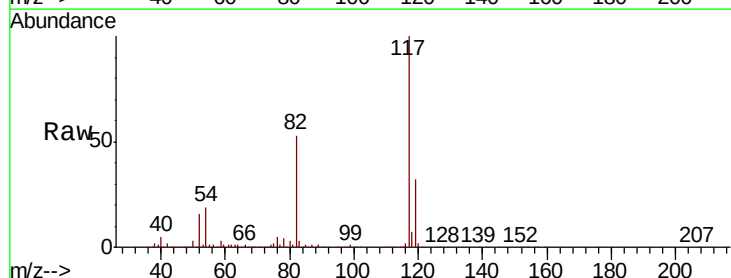
Tgt Ion: 117 Resp: 1744345

Ion Ratio Lower Upper

117 100

82 52.9 42.8 64.2

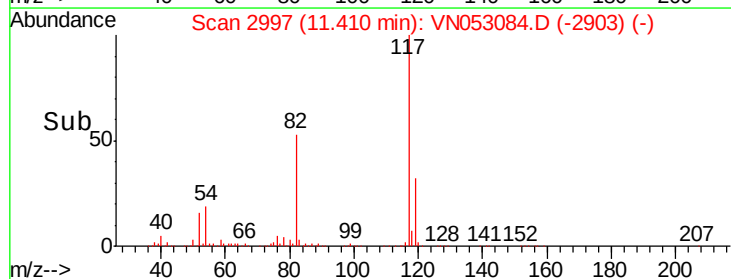
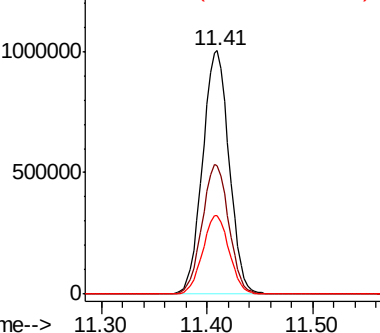
119 32.1 25.5 38.3

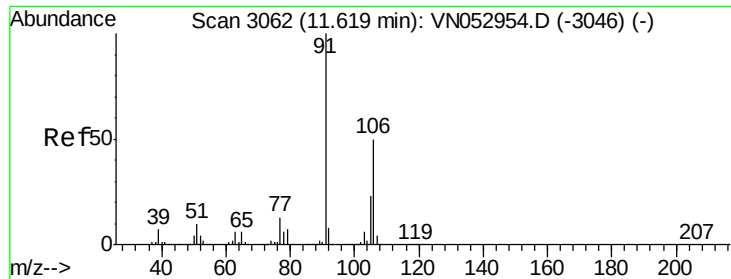


Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)

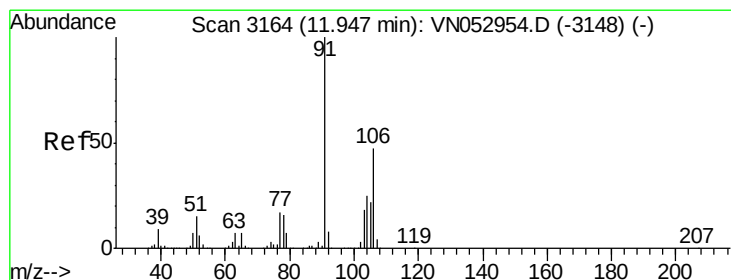
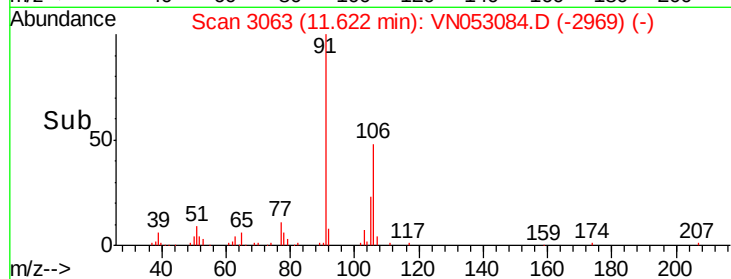
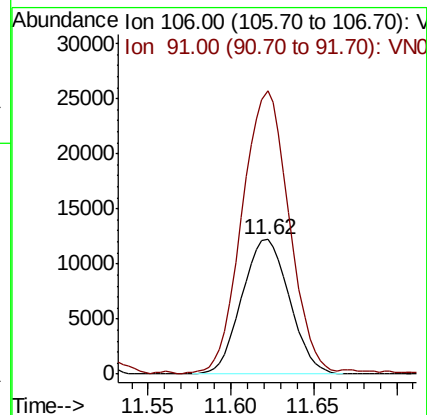
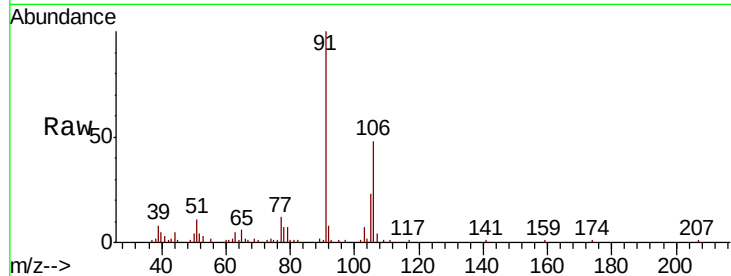




#68
m/p-Xylenes
Concen: 0.967 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053084.D
Acq: 21 Dec 2018 4:22

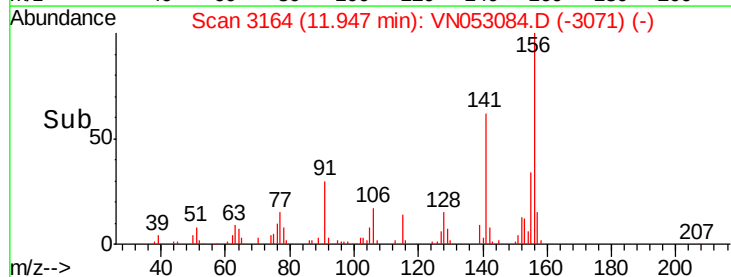
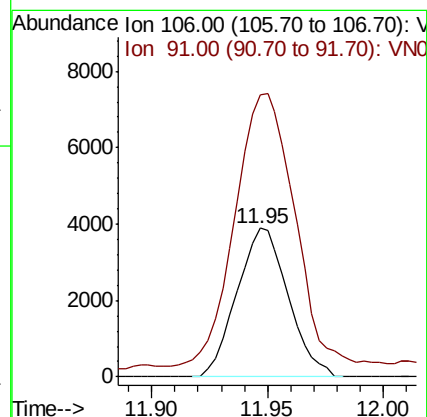
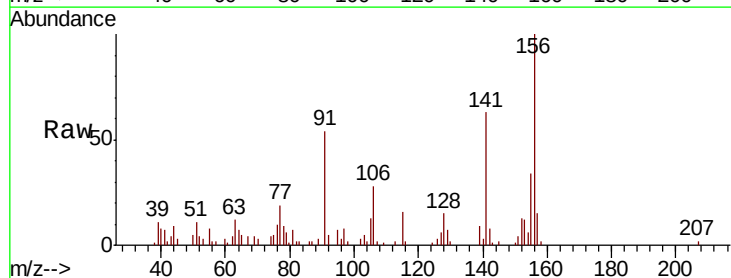
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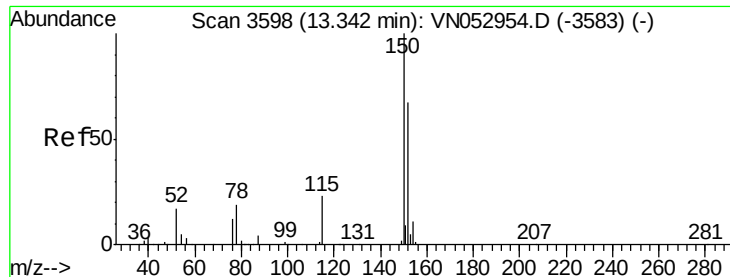
Tot Ion:106 Resp: 24445
Ion Ratio Lower Upper
106 100
91 208.2 162.2 243.4



#69
o-Xylene
Concen: 0.246 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053084.D
Acq: 21 Dec 2018 4:22

Tgt Ion:106 Resp: 5967
Ion Ratio Lower Upper
106 100
91 214.6 106.6 319.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

Instrument :

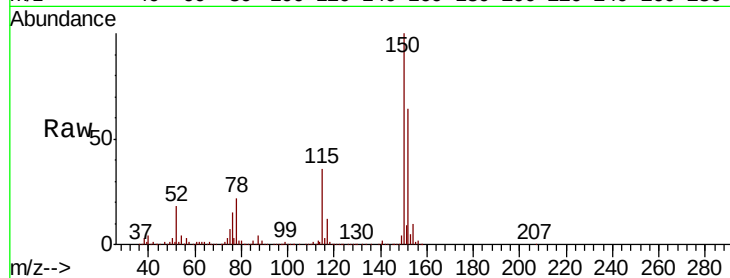
MSVOA_N

ClientSampleId :

T3-MW-7-10.0-121918

Tot Ion:152 Resp: 766520

Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.3	85.0
150	156.6	0.0	347.8

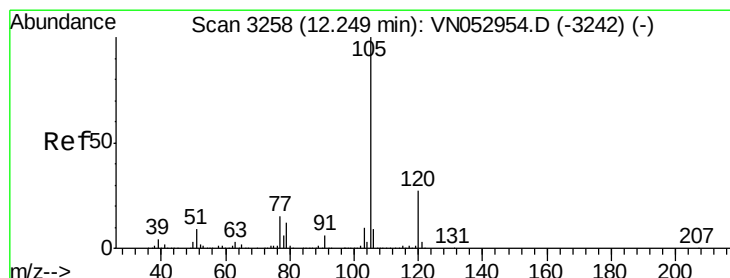
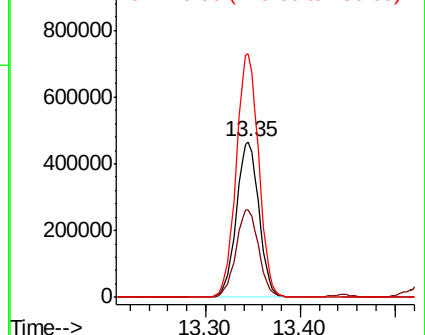
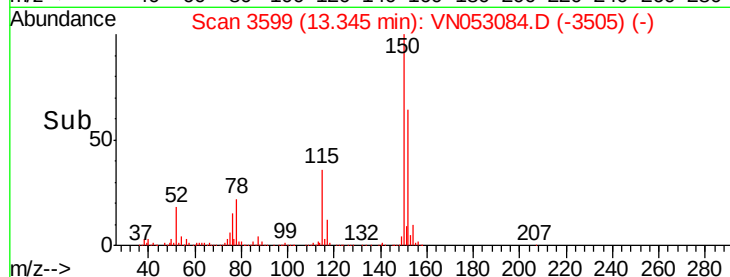


Abundance

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: 3.864 ug/l

RT: 12.25 min Scan# 3258

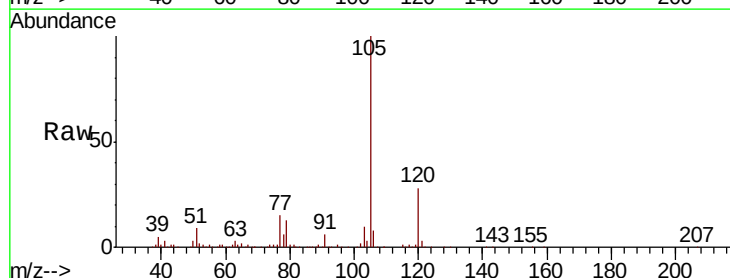
Delta R.T. 0.00 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

Tgt Ion:105 Resp: 231708

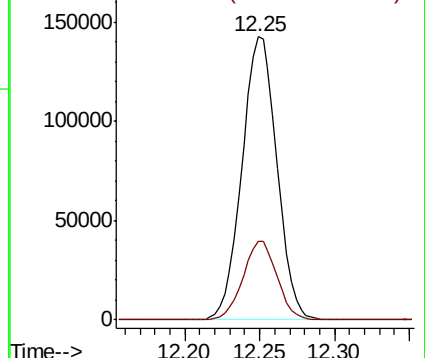
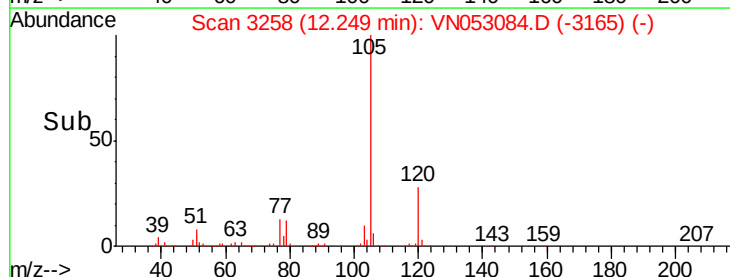
Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.3	39.9

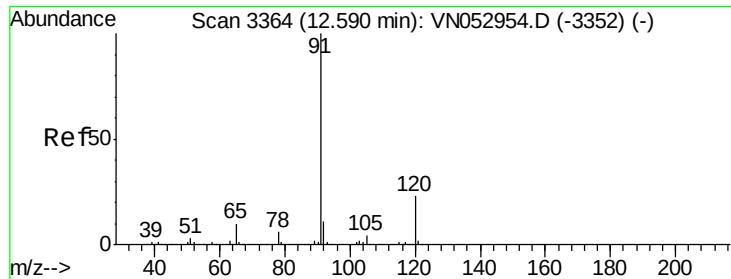


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

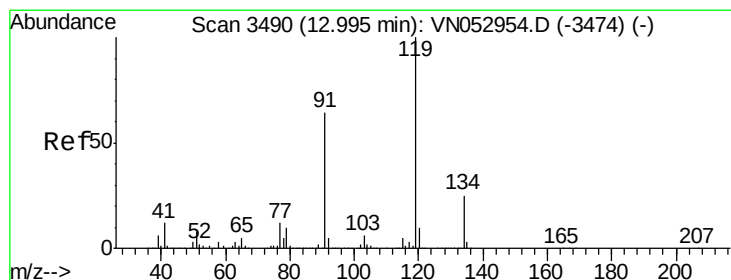
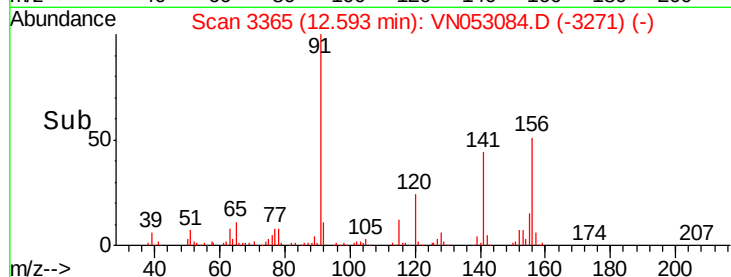
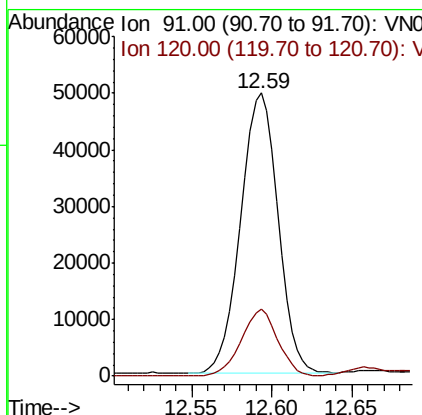
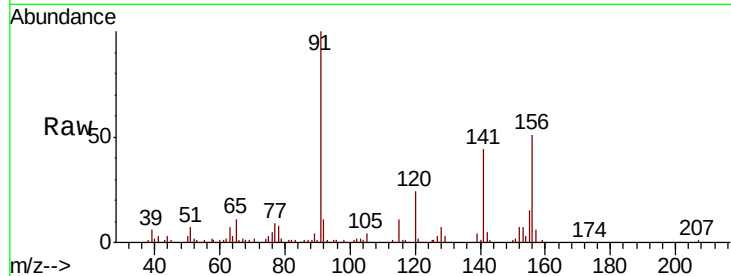




#78
n-propylbenzene
Concen: 1.152 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN053084.D
Acq: 21 Dec 2018 4:22

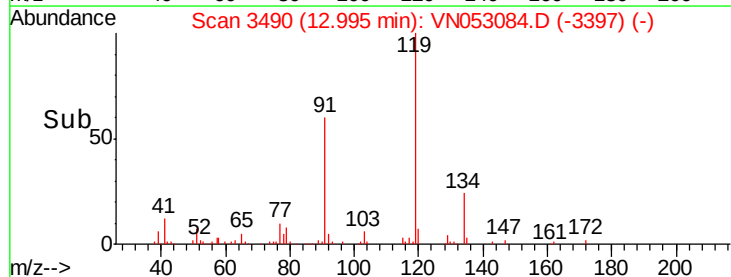
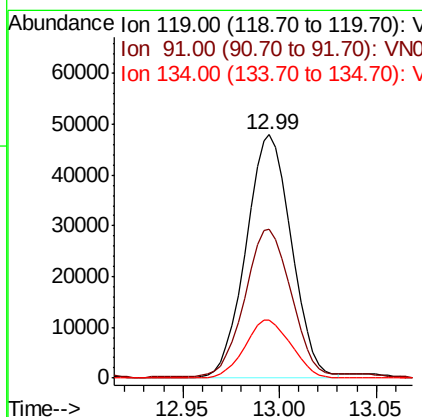
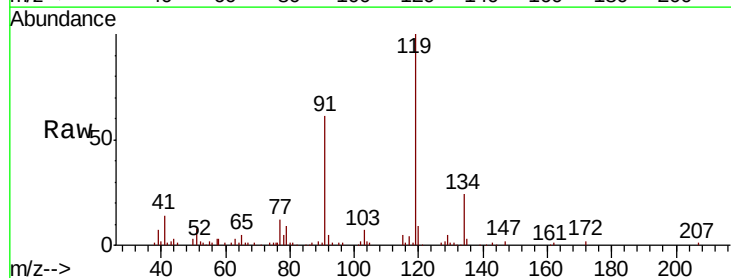
Instrument :
MSVOA_N
ClientSampleId :
T3-MW-7-10.0-121918

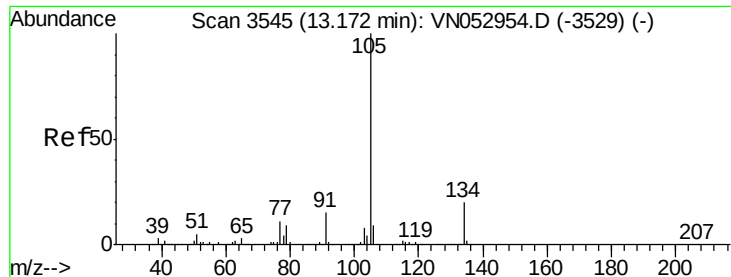
Tot Ion: 91 Resp: 78688
Ion Ratio Lower Upper
91 100
120 23.4 11.5 34.5



#83
tert-Butylbenzene
Concen: 1.811 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053084.D
Acq: 21 Dec 2018 4:22

Tgt Ion: 119 Resp: 78310
Ion Ratio Lower Upper
119 100
91 62.4 31.9 95.5
134 24.2 12.8 38.4





#85

sec-Butylbenzene

Concen: 3.541 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

Instrument :

MSVOA_N

ClientSampleId :

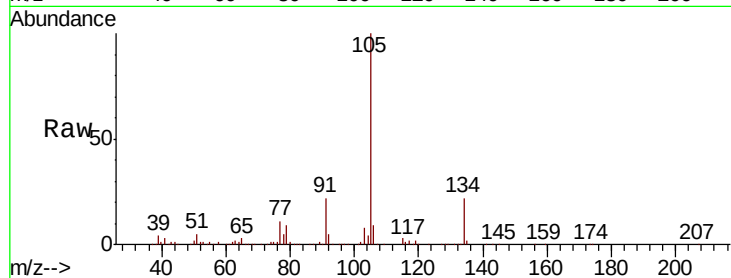
T3-MW-7-10.0-121918

Tot Ion:105 Resp: 207084

Ion Ratio Lower Upper

105 100

134 34.9 10.1 30.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

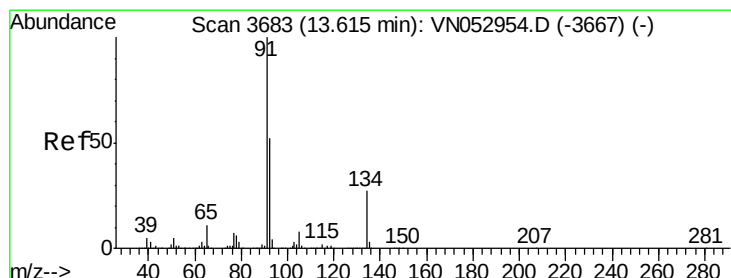
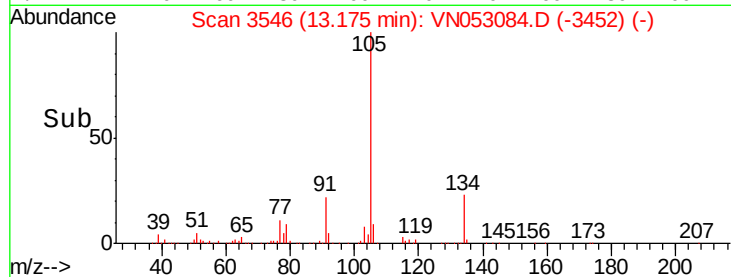
150000

100000

50000

0

Time-->



#89

n-Butylbenzene

Concen: 0.716 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

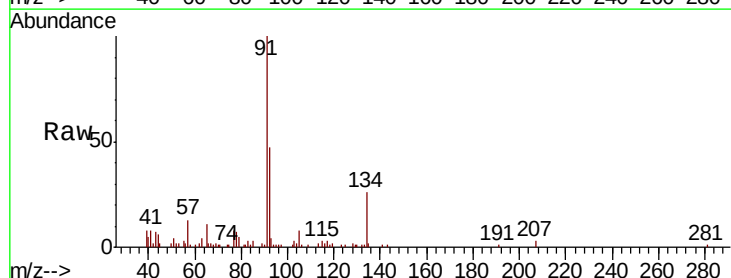
Tgt Ion: 91 Resp: 31119

Ion Ratio Lower Upper

91 100

92 53.6 26.3 78.9

134 33.2 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

60000

40000

20000

0

Time-->

