

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
 Data File : VN051117.D
 Acq On : 11 Sep 2018 11:05
 Operator : MD\SY
 Sample : J4849-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-B

Quant Time: Sep 12 02:00:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	660032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	999134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	918583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	425330	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	380452	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
35) Dibromofluoromethane	7.59	113	380863	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	10.09	98	1413061	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
62) 4-Bromofluorobenzene	12.40	95	476901	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	

Target Compounds

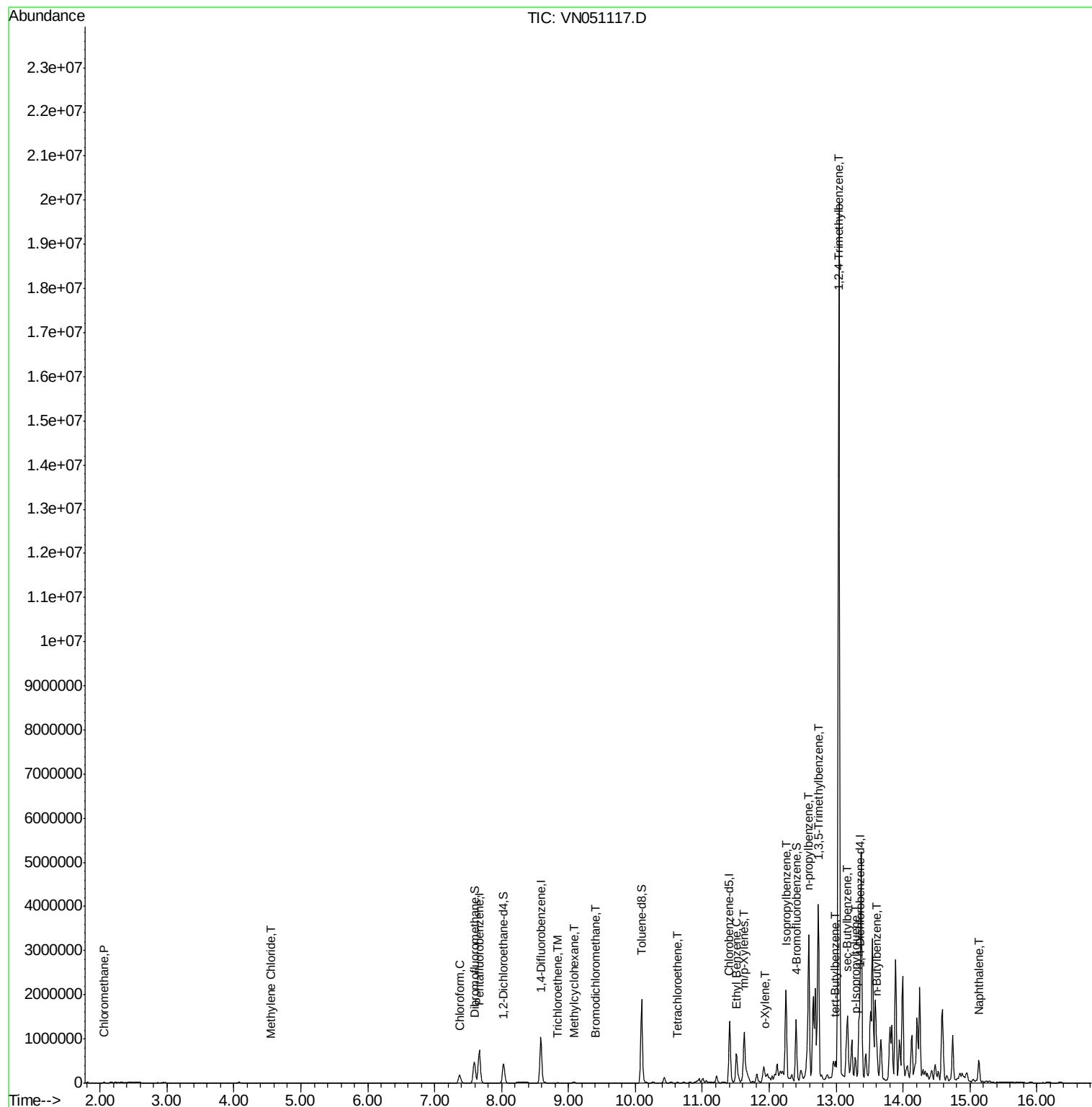
						Qvalue
3) Chloromethane	2.06	50	19481	1.85	ug/l	93
20) Methylene Chloride	4.55	84	2802	0.35	ug/l	92
30) Chloroform	7.37	83	197755	14.71	ug/l	95
39) Methylcyclohexane	9.08	83	9911	0.82	ug/l	94
44) Trichloroethene	8.84	130	3679	0.41	ug/l	92
47) Bromodichloromethane	9.40	83	4997	0.47	ug/l	96
64) Tetrachloroethene	10.63	164	4345	0.52	ug/l	90
67) Ethyl Benzene	11.51	91	480220	12.81	ug/l	100
68) m/p-Xylenes	11.62	106	350956	24.36	ug/l	100
69) o-Xylene	11.95	106	10452	0.75	ug/l	81
73) Isopropylbenzene	12.25	105	1393841	39.08	ug/l	100
78) n-propylbenzene	12.59	91	2717206	69.30	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2133953	74.00	ug/l	99
83) tert-Butylbenzene	12.99	119	204253	8.02	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	11567721	407.96	ug/l	99
85) sec-Butylbenzene	13.17	105	947407	29.02	ug/l #	77
86) p-Isopropyltoluene	13.29	119	281359	10.16	ug/l	99
89) n-Butylbenzene	13.61	91	316353	14.68	ug/l #	78
95) Naphthalene	15.13	128	453900	30.69	ug/l	99

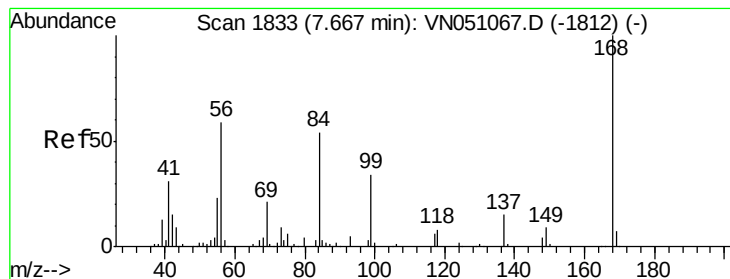
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051117.D

Acq: 11 Sep 2018 11:05

Instrument :

MSVOA_N

ClientSampleId :

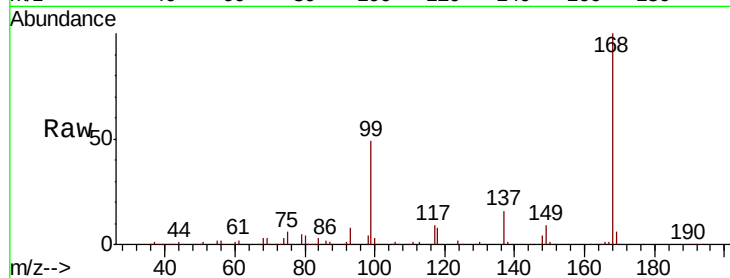
EP1-MW-B

Tot Ion:168 Resp: 660032

Ion Ratio Lower Upper

168 100

99 49.0 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

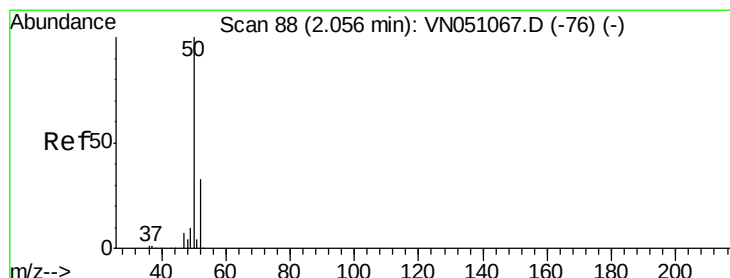
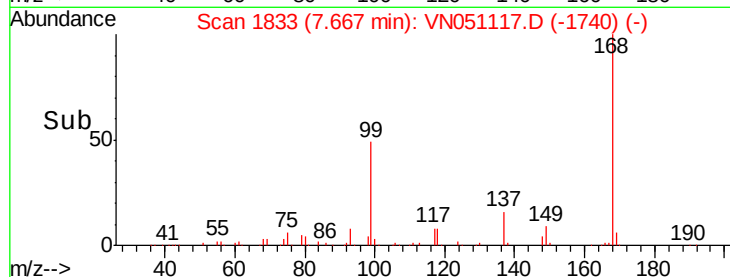
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.85 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051117.D

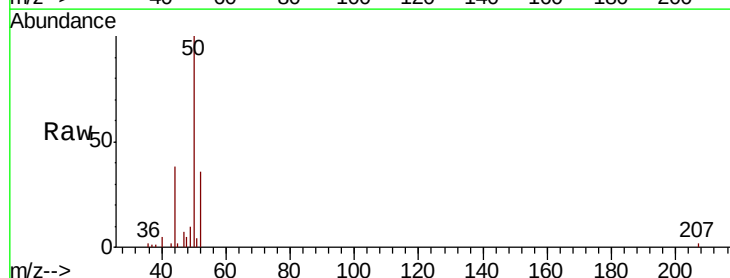
Acq: 11 Sep 2018 11:05

Tgt Ion: 50 Resp: 19481

Ion Ratio Lower Upper

50 100

52 36.4 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

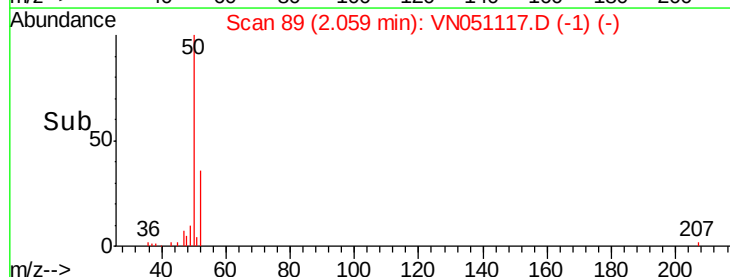
15000

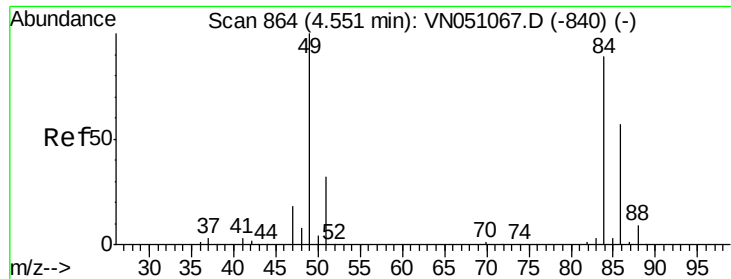
10000

5000

0

Time-->



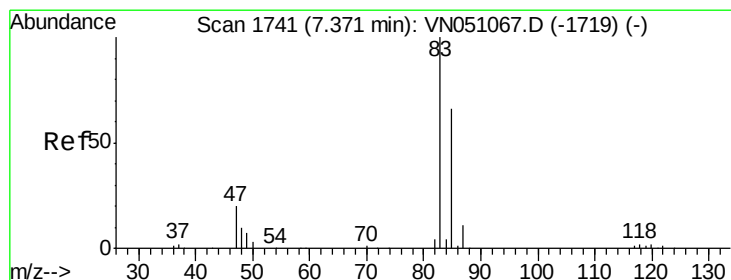
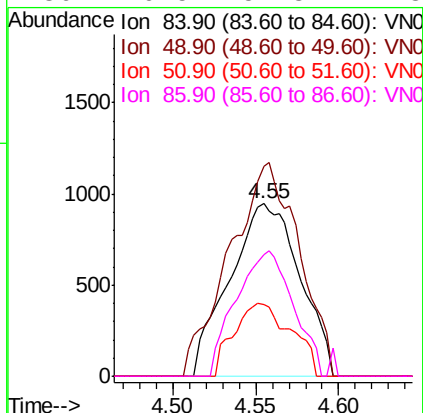
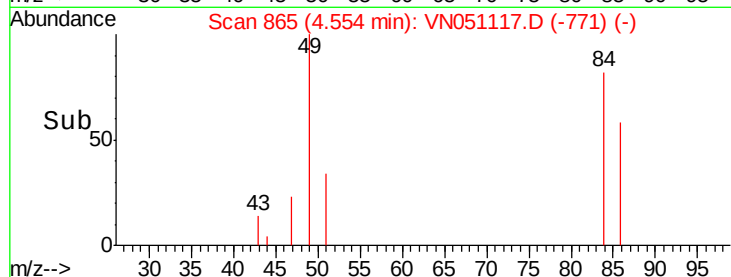
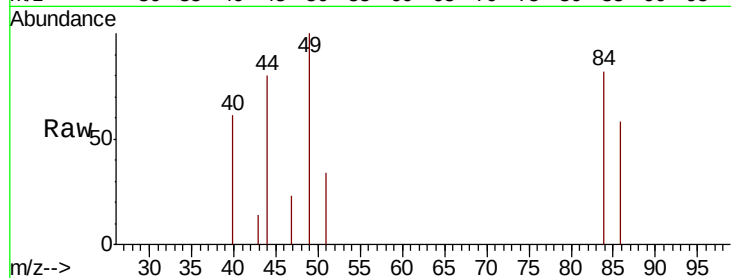


#20
Methylene Chloride
Concen: 0.35 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051117.D
Acq: 11 Sep 2018 11:05

Instrument :
MSVOA_N
ClientSampled :
EP1-MW-B

Tot Ion: 84 Resp: 2802

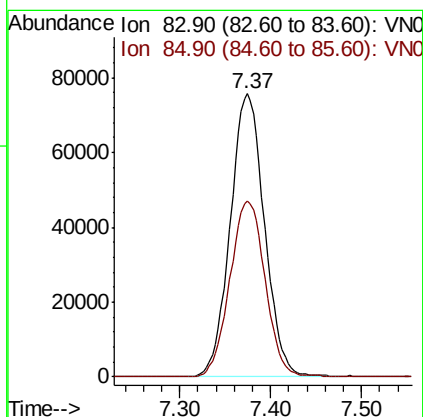
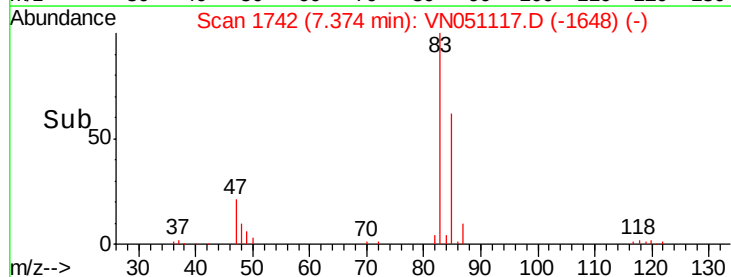
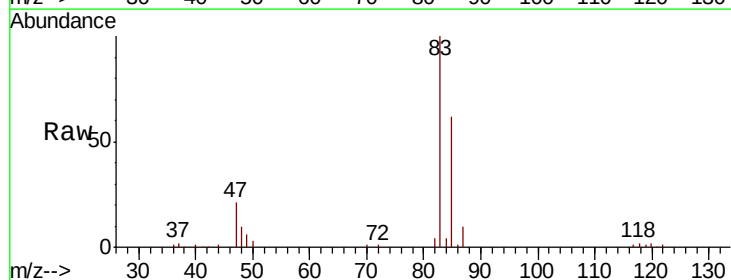
Ion	Ratio	Lower	Upper
84	100		
49	121.7	90.2	135.2
51	41.7	28.4	42.6
86	70.5	51.8	77.8

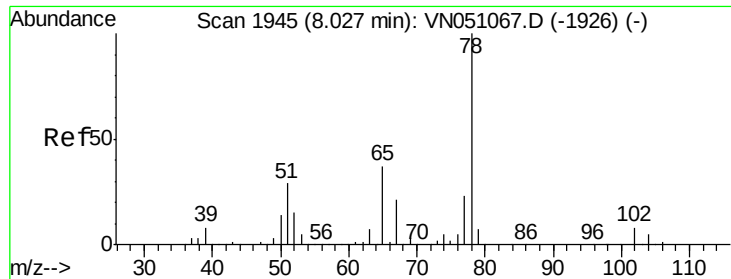


#30
Chloroform
Concen: 14.71 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051117.D
Acq: 11 Sep 2018 11:05

Tgt Ion: 83 Resp: 197755

Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.6	79.0

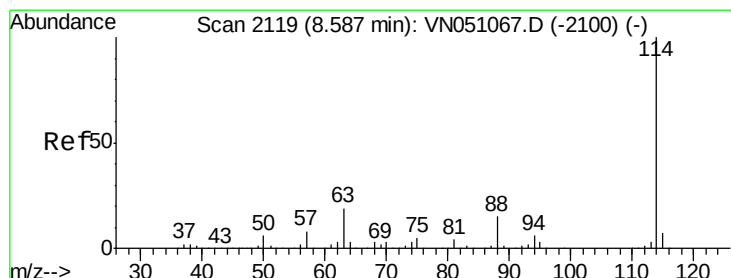
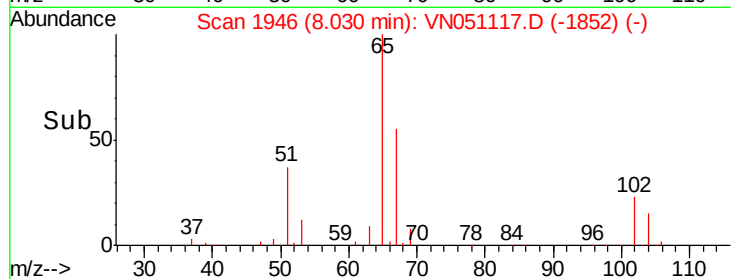
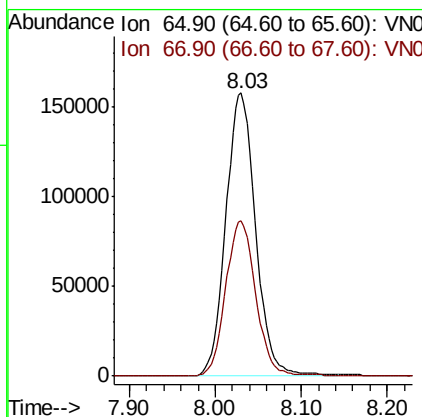
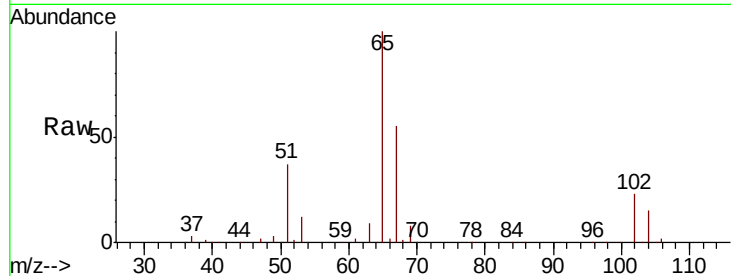




#33
 1,2-Dichloroethane-d4
 Concen: 51.80 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051117.D
 Acq: 11 Sep 2018 11:05

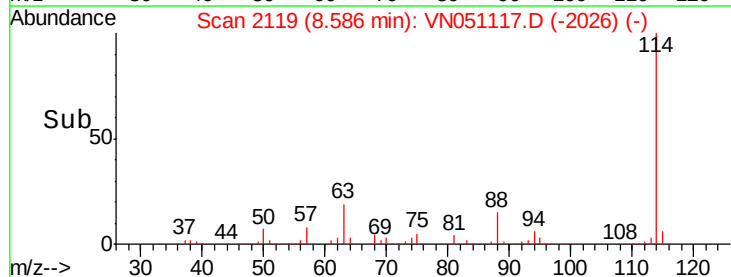
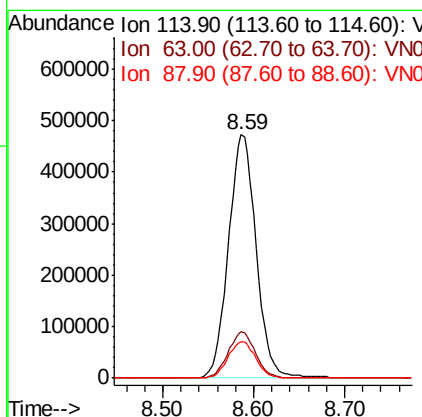
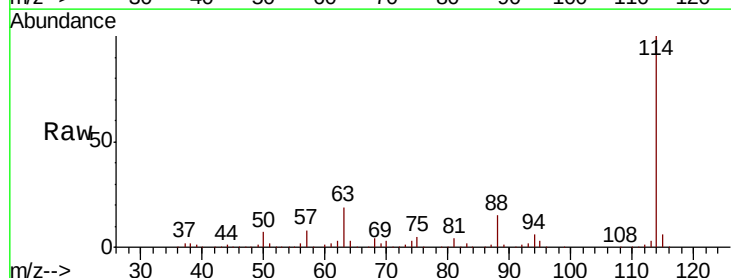
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-B

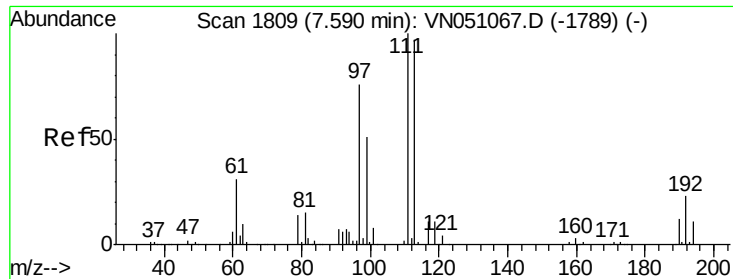
Tot Ion: 65 Resp: 380452
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051117.D
 Acq: 11 Sep 2018 11:05

Tgt Ion: 114 Resp: 999134
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.8
 88 15.0 0.0 30.8

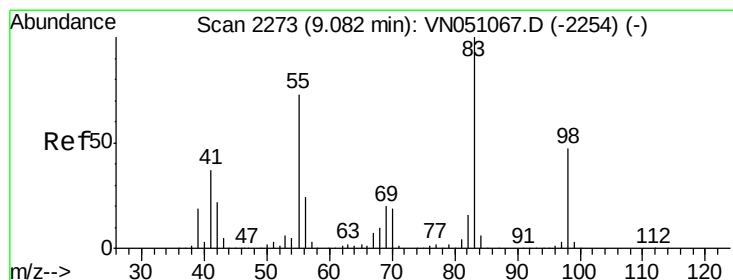
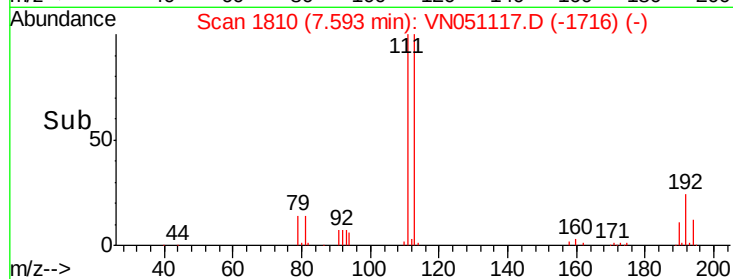
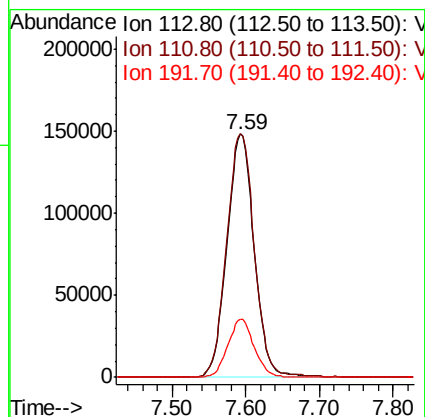
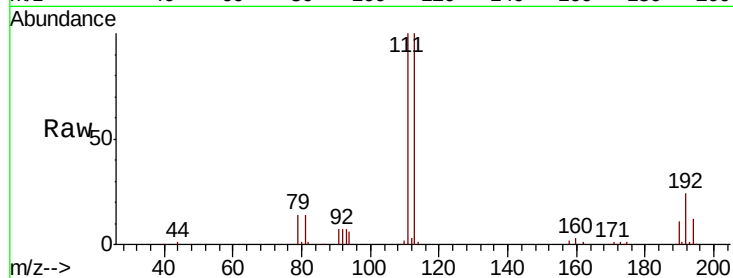




#35
 Dibromofluoromethane
 Concen: 50.73 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051117.D
 Acq: 11 Sep 2018 11:05

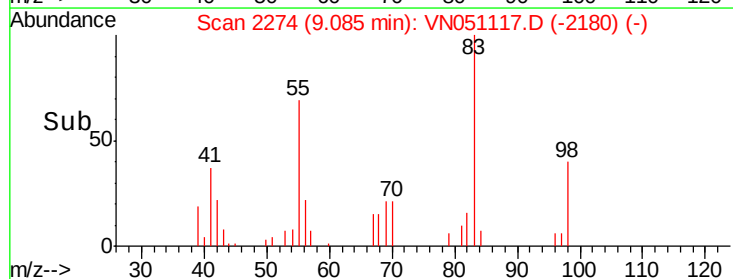
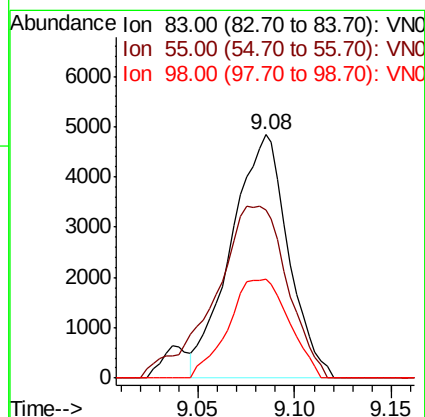
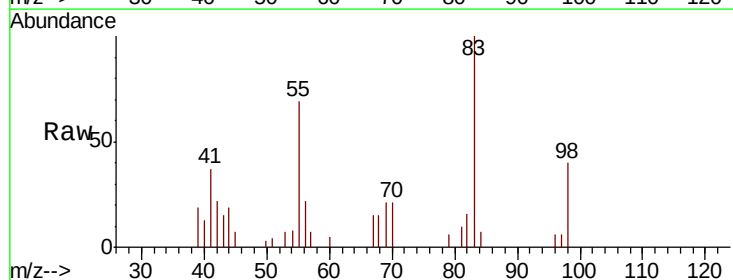
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-B

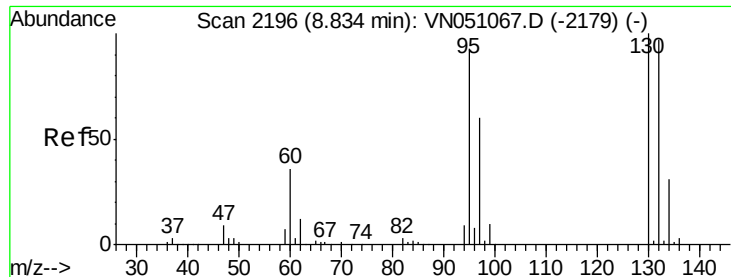
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.0	124.6
192	23.1	18.7	28.1



#39
 Methylcyclohexane
 Concen: 0.82 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN051117.D
 Acq: 11 Sep 2018 11:05

Tgt Ion	Ratio	Lower	Upper
83	100		
55	69.3	58.4	87.6
98	40.4	37.3	55.9





#44

Trichloroethene

Concen: 0.41 ug/l

RT: 8.84 min Scan# 2198

Delta R.T. 0.01 min

Lab File: VN051117.D

Acq: 11 Sep 2018 11:05

Instrument :

MSVOA_N

ClientSampleId :

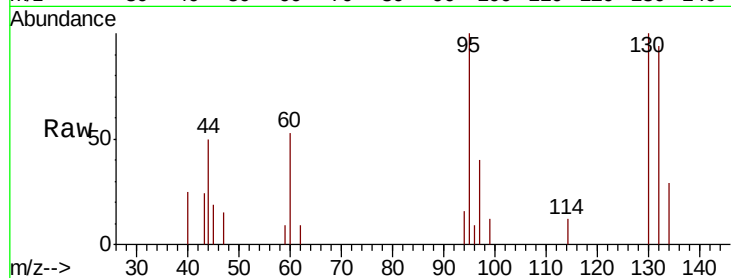
EP1-MW-B

Tot Ion:130 Resp: 3679

Ion Ratio Lower Upper

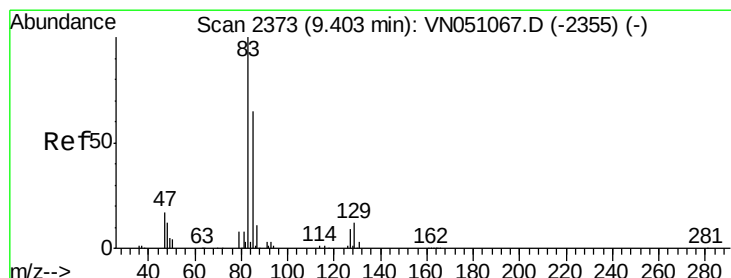
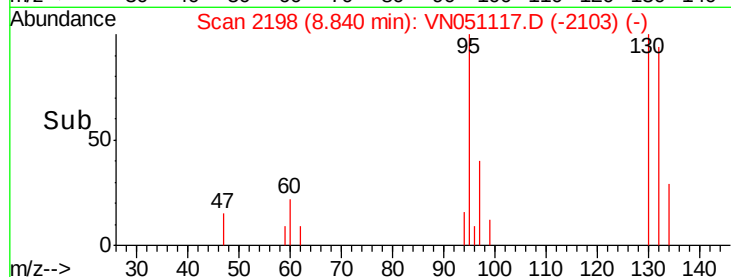
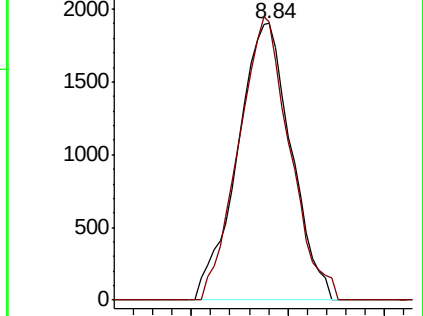
130 100

95 100.4 0.0 186.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#47

Bromodichloromethane

Concen: 0.47 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051117.D

Acq: 11 Sep 2018 11:05

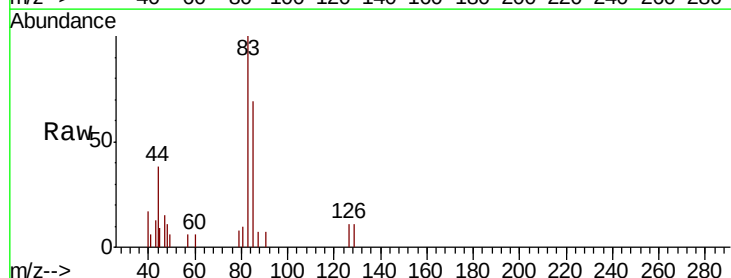
Tgt Ion: 83 Resp: 4997

Ion Ratio Lower Upper

83 100

85 68.9 52.3 78.5

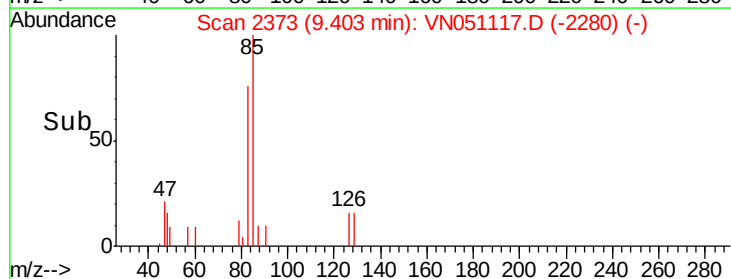
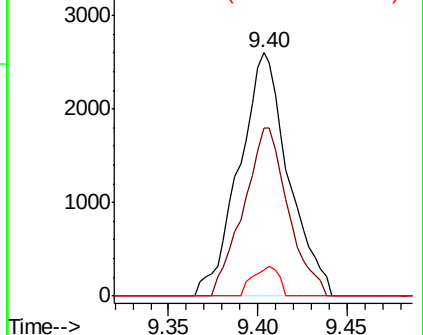
127 10.9 7.5 11.3

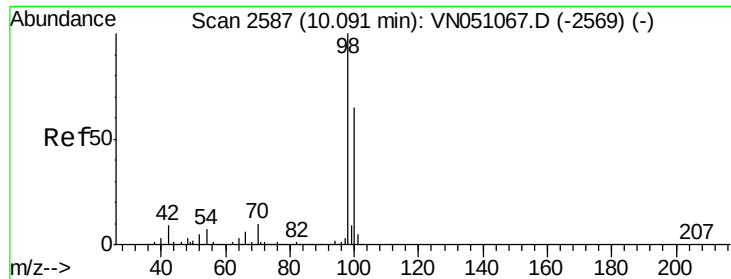


Abundance Ion 82.90 (82.60 to 83.60): VN

Ion 84.90 (84.60 to 85.60): VN

Ion 126.80 (126.50 to 127.50): V

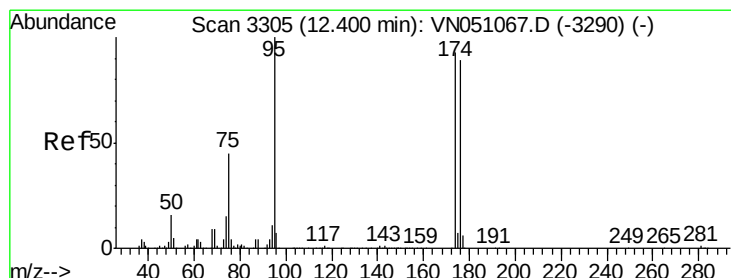
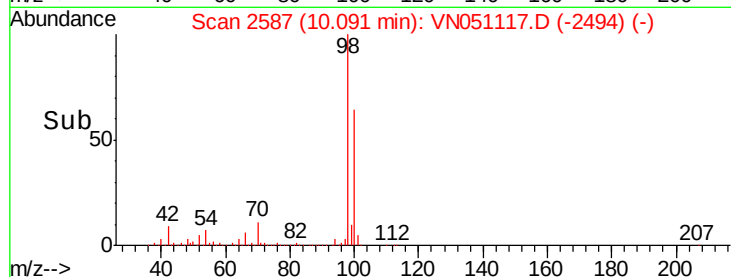
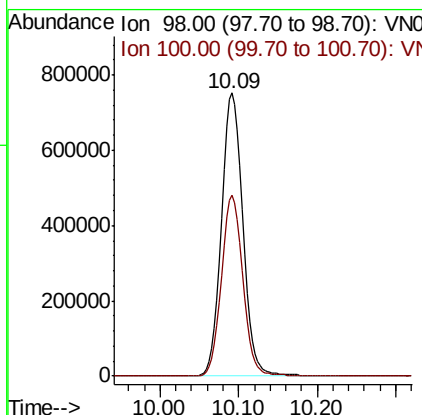
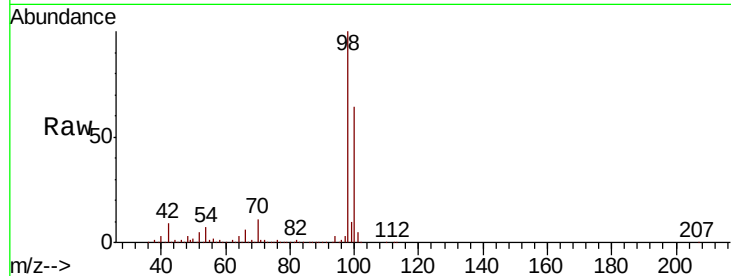




#50
Toluene-d8
Concen: 49.60 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051117.D
Acq: 11 Sep 2018 11:05

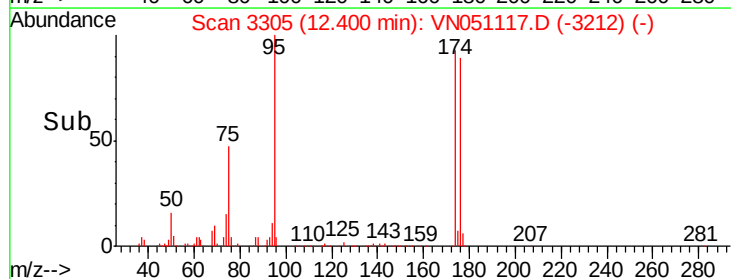
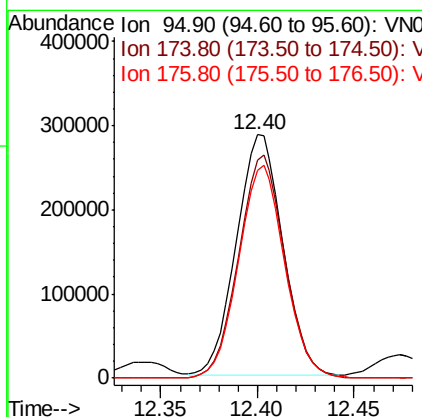
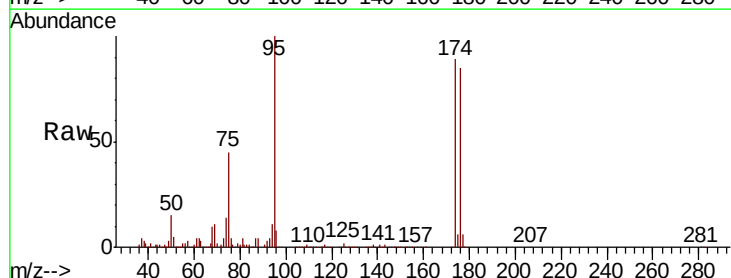
Instrument :
MSVOA_N
ClientSampled :
EP1-MW-B

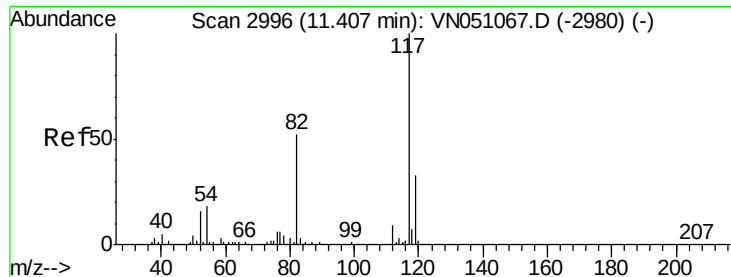
Tot Ion: 98 Resp: 1413061
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 50.61 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051117.D
Acq: 11 Sep 2018 11:05

Tgt Ion: 95 Resp: 476901
Ion Ratio Lower Upper
95 100
174 92.3 0.0 184.8
176 88.1 0.0 178.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN051117.D

Acq: 11 Sep 2018 11:05

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-B

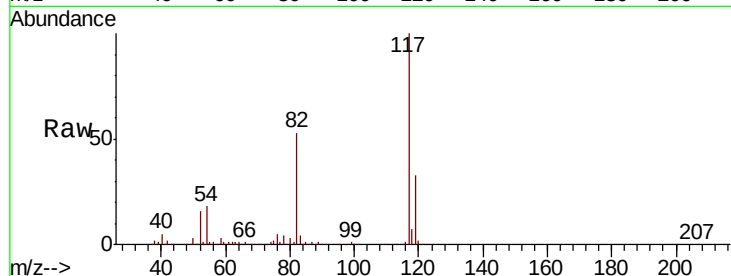
Tot Ion:117 Resp: 918583

Ion Ratio Lower Upper

117 100

82 52.8 41.8 62.6

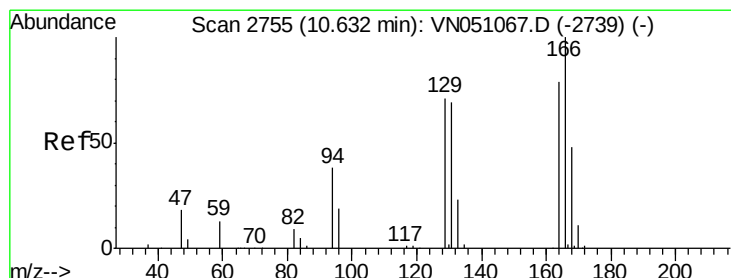
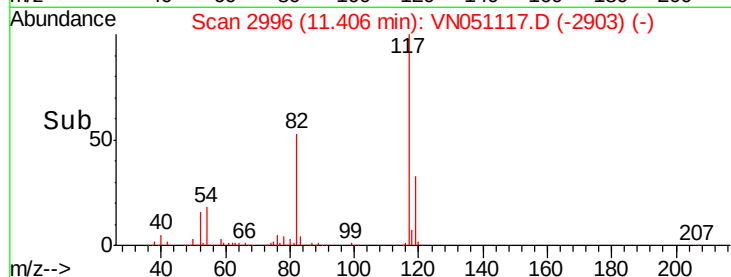
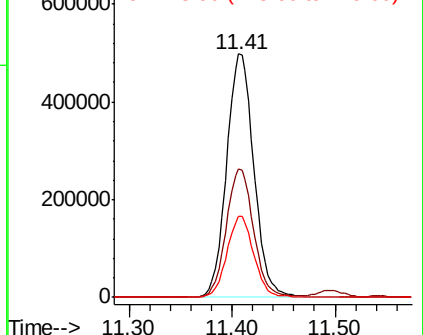
119 33.4 26.2 39.2



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



#64

Tetrachloroethene

Concen: 0.52 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN051117.D

Acq: 11 Sep 2018 11:05

Tgt Ion:164 Resp: 4345

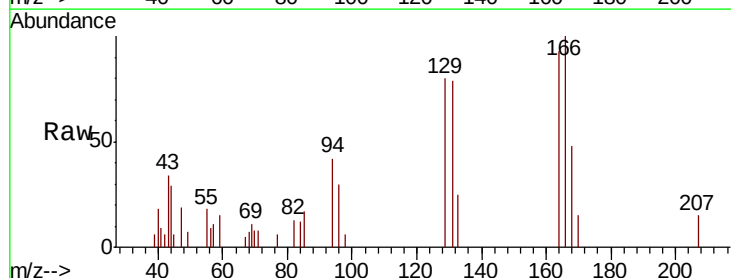
Ion Ratio Lower Upper

164 100

166 107.0 101.3 151.9

129 85.6 72.2 108.2

131 84.6 70.2 105.2

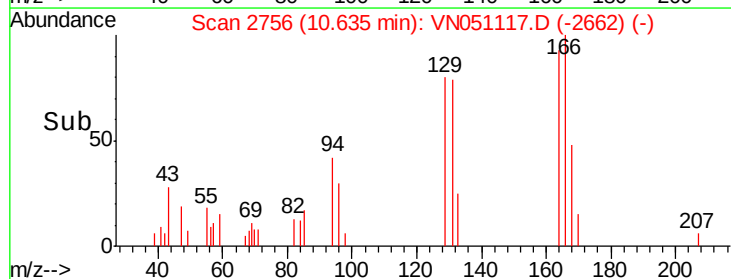
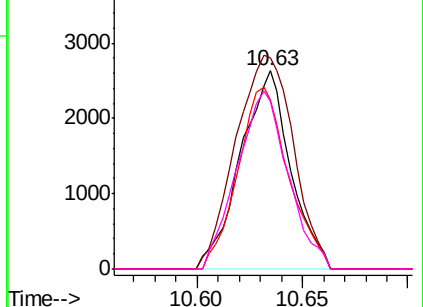


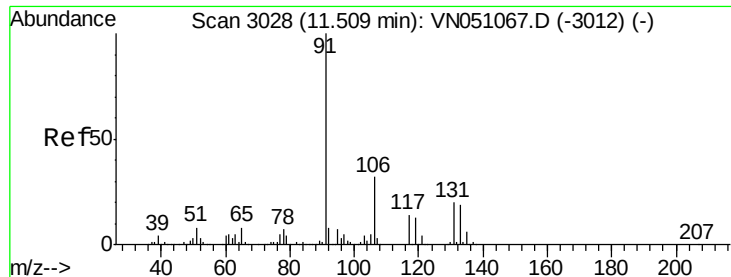
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

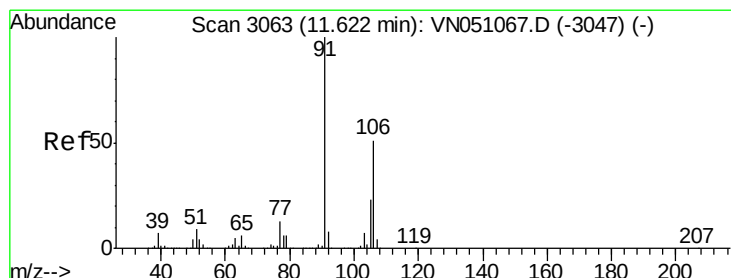
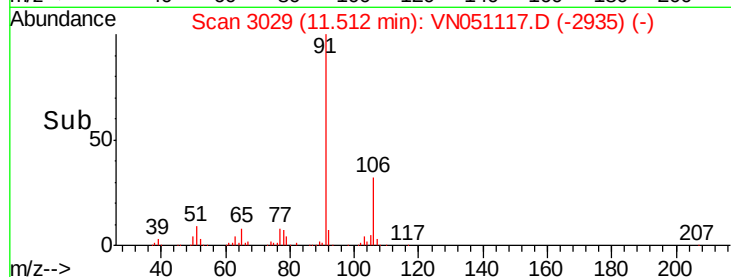
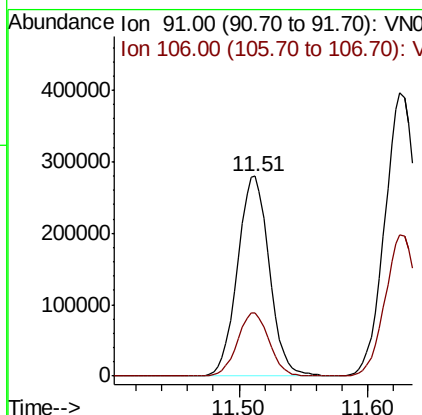
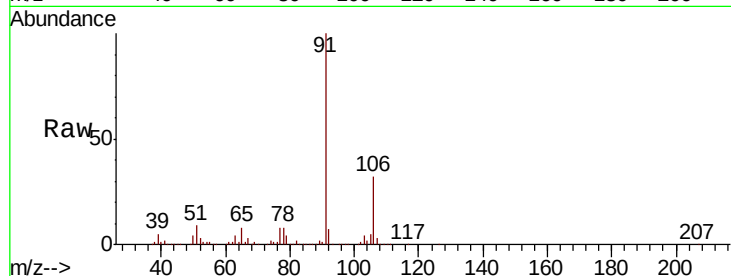




#67
Ethyl Benzene
Concen: 12.81 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051117.D
Acq: 11 Sep 2018 11:05

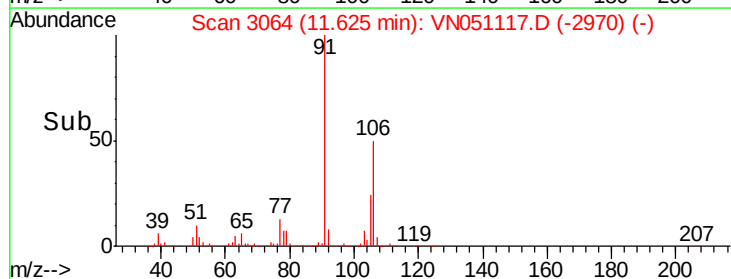
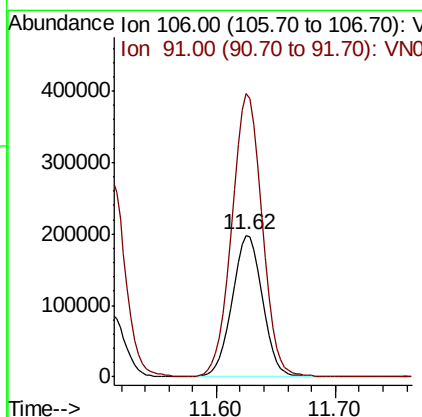
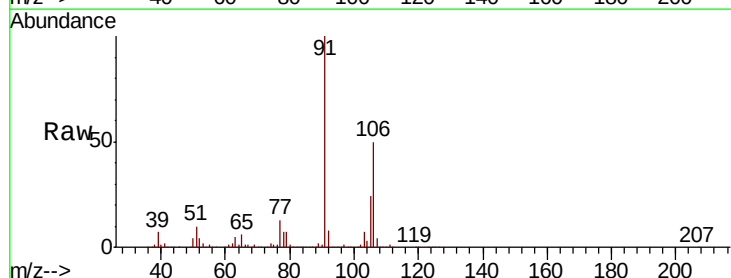
Instrument :
MSVOA_N
ClientSampled :
EP1-MW-B

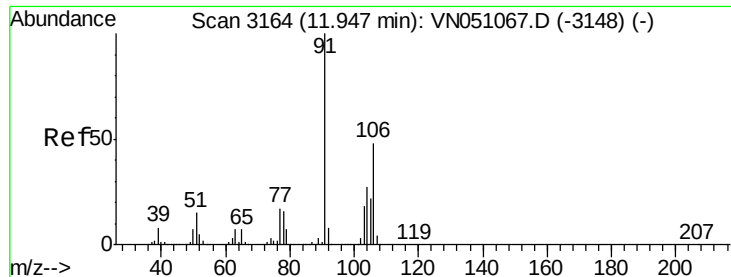
Tot Ion: 91 Resp: 480220
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.2



#68
m/p-Xylenes
Concen: 24.36 ug/l
RT: 11.62 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN051117.D
Acq: 11 Sep 2018 11:05

Tgt Ion: 106 Resp: 350956
Ion Ratio Lower Upper
106 100
91 199.7 159.8 239.6

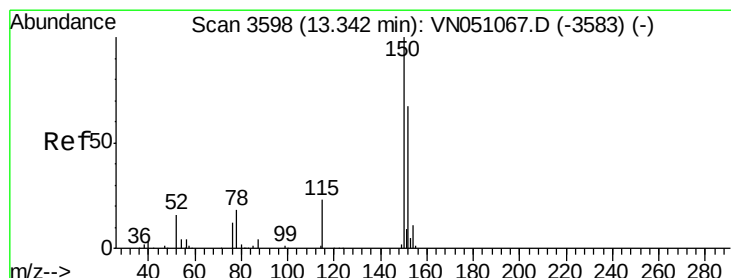
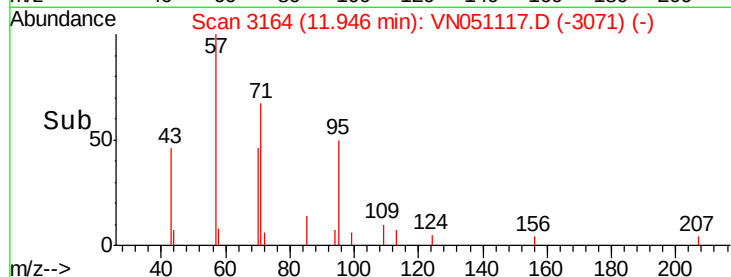
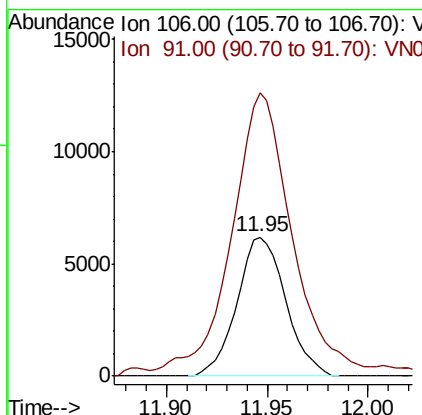
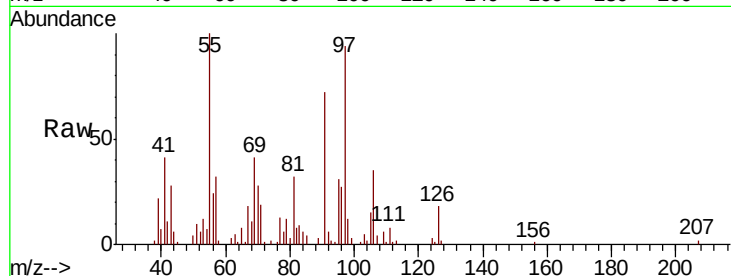




#69
o-Xylene
Concen: 0.75 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051117.D
Acq: 11 Sep 2018 11:05

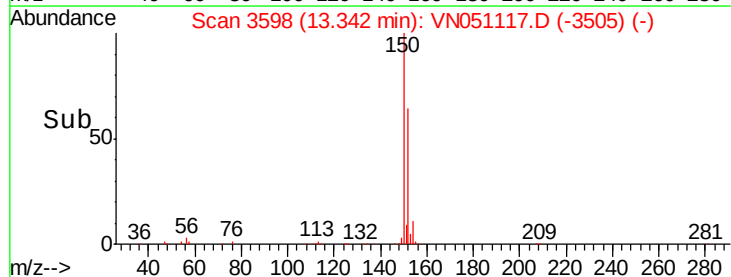
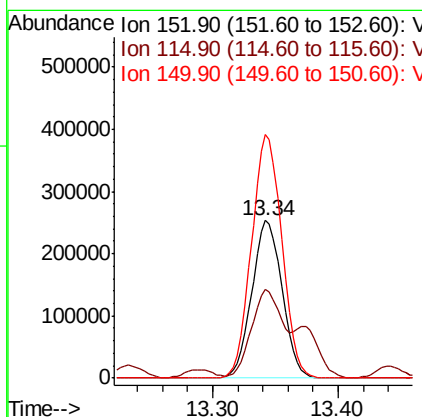
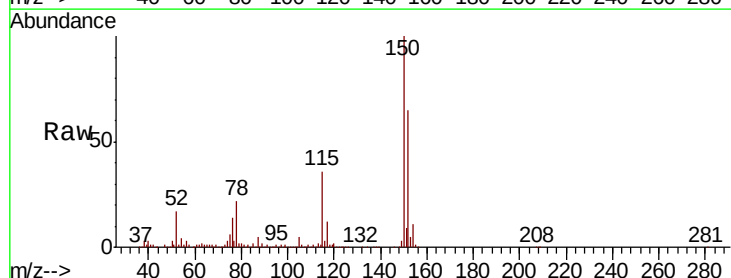
Instrument :
MSVOA_N
ClientSampled :
EP1-MW-B

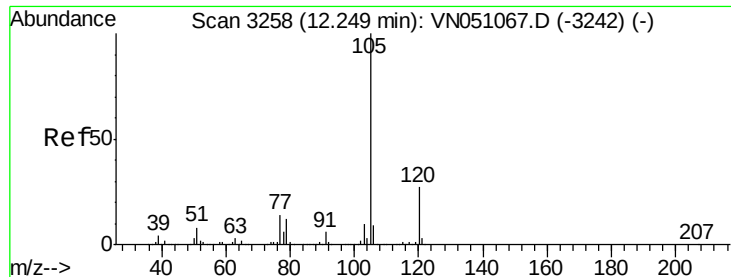
Tot Ion:106 Resp: 10452
Ion Ratio Lower Upper
106 100
91 239.5 105.1 315.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051117.D
Acq: 11 Sep 2018 11:05

Tgt Ion:152 Resp: 425330
Ion Ratio Lower Upper
152 100
115 54.8 28.2 84.7
150 153.8 0.0 349.0





#73

Isopropylbenzene

Concen: 39.08 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051117.D

Acq: 11 Sep 2018 11:05

Instrument :

MSVOA_N

ClientSampleId :

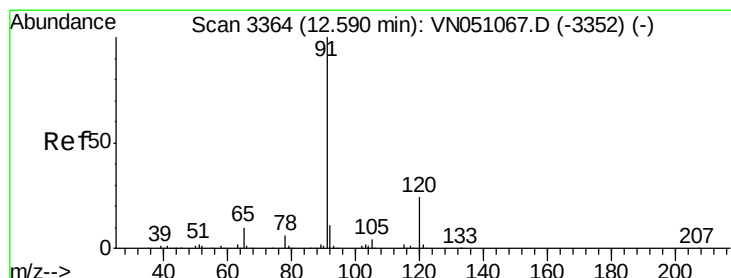
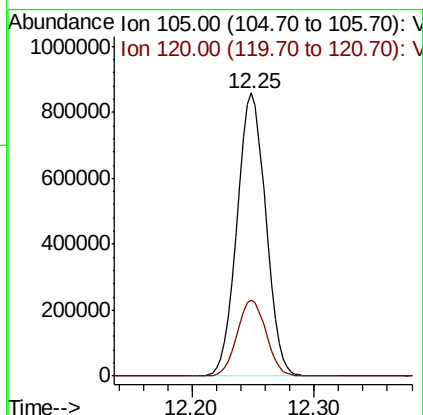
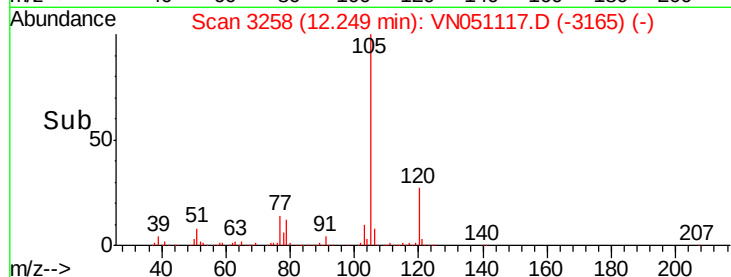
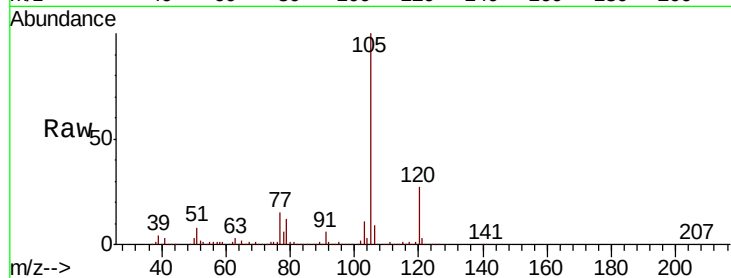
EP1-MW-B

Tot Ion:105 Resp: 1393841

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7



#78

n-propylbenzene

Concen: 69.30 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051117.D

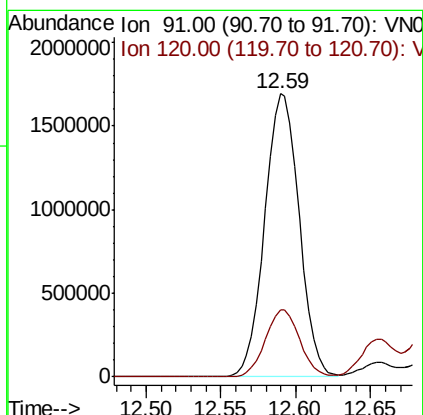
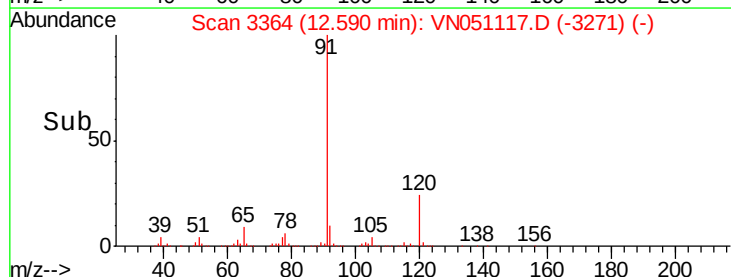
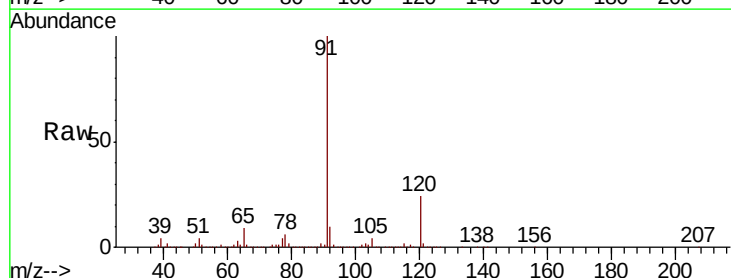
Acq: 11 Sep 2018 11:05

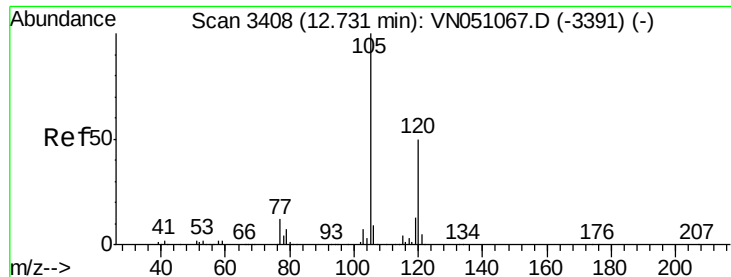
Tgt Ion: 91 Resp: 2717206

Ion Ratio Lower Upper

91 100

120 23.5 12.0 36.0

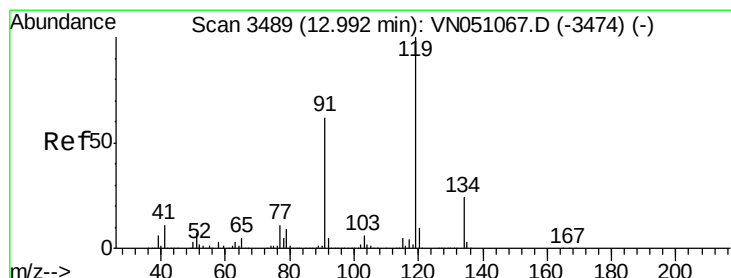
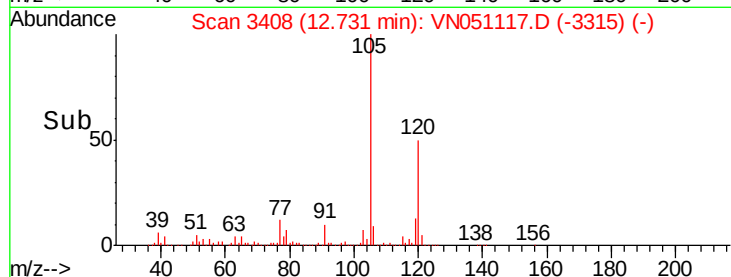
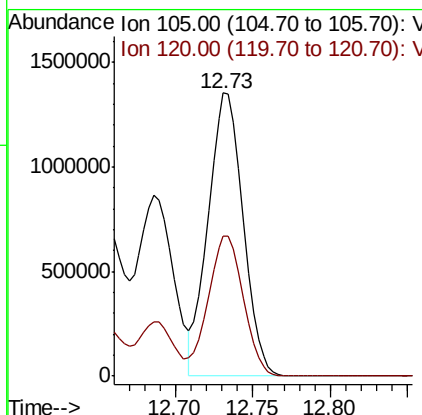
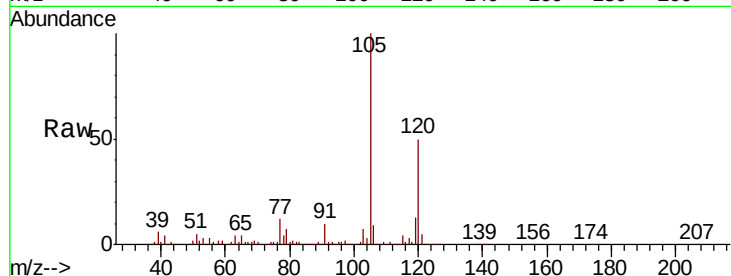




#80
 1,3,5-Trimethylbenzene
 Concen: 74.00 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN051117.D
 Acq: 11 Sep 2018 11:05

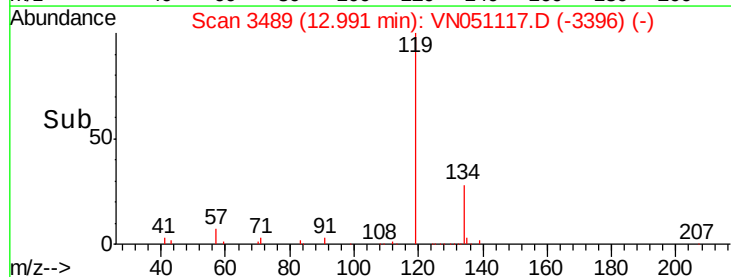
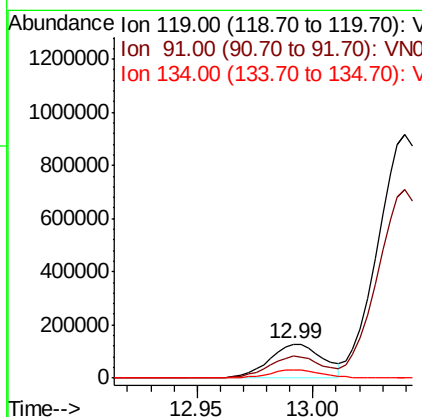
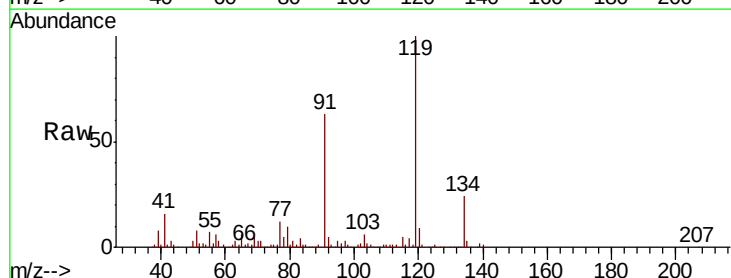
Instrument :
 MSVOA_N
 ClientSampled :
 EP1-MW-B

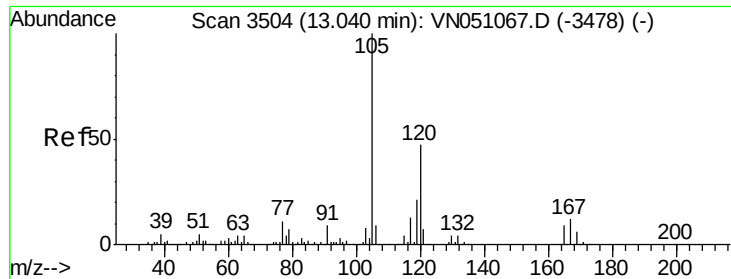
Tot Ion:105 Resp: 2133953
 Ion Ratio Lower Upper
 105 100
 120 50.4 24.9 74.6



#83
 tert-Butylbenzene
 Concen: 8.02 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051117.D
 Acq: 11 Sep 2018 11:05

Tgt Ion:119 Resp: 204253
 Ion Ratio Lower Upper
 119 100
 91 65.4 30.8 92.3
 134 24.3 13.2 39.6

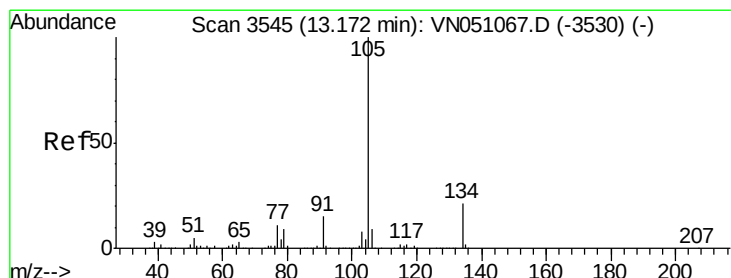
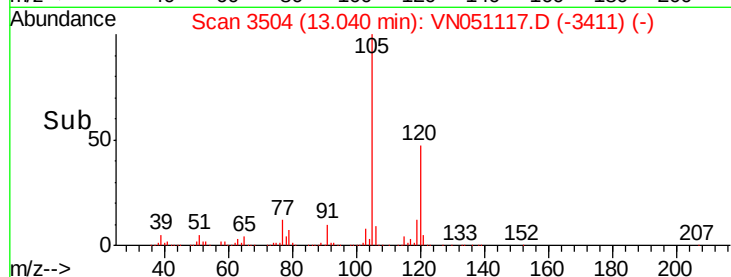
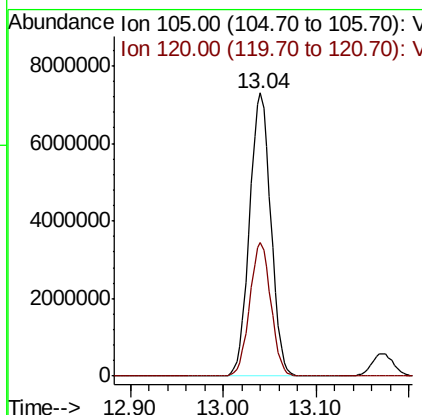
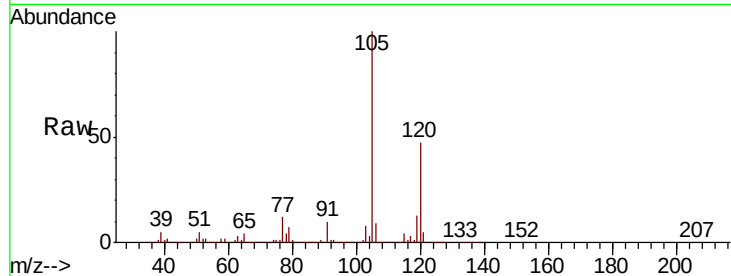




#84
 1,2,4-Trimethylbenzene
 Concen: 407.96 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051117.D
 Acq: 11 Sep 2018 11:05

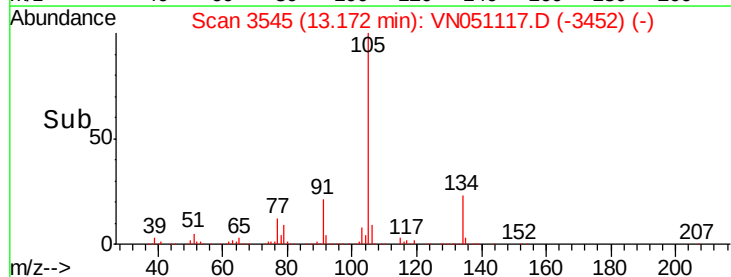
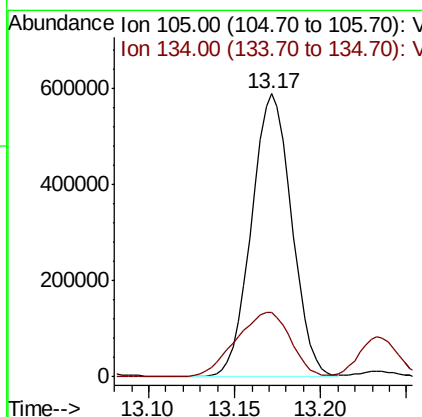
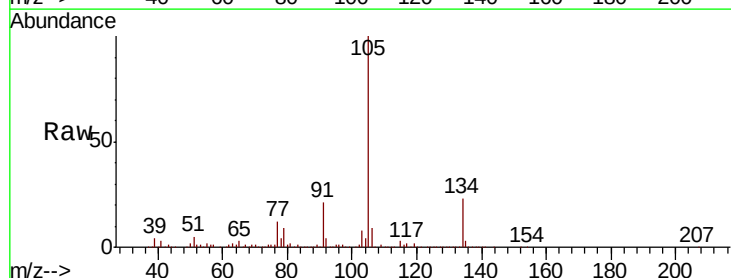
Instrument :
 MSVOA_N
 ClientSampled :
 EP1-MW-B

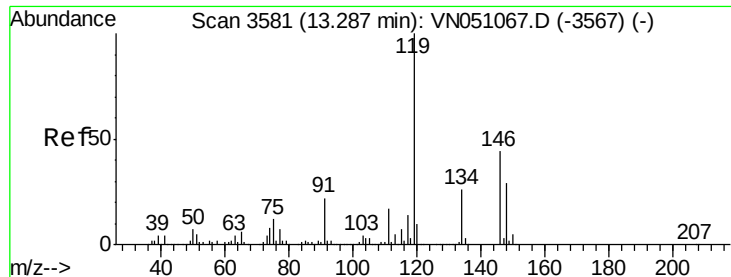
Tot Ion:105 Resp:11567721
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.3 69.8



#85
 sec-Butylbenzene
 Concen: 29.02 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051117.D
 Acq: 11 Sep 2018 11:05

Tgt Ion:105 Resp: 947407
 Ion Ratio Lower Upper
 105 100
 134 31.4 10.4 31.4#

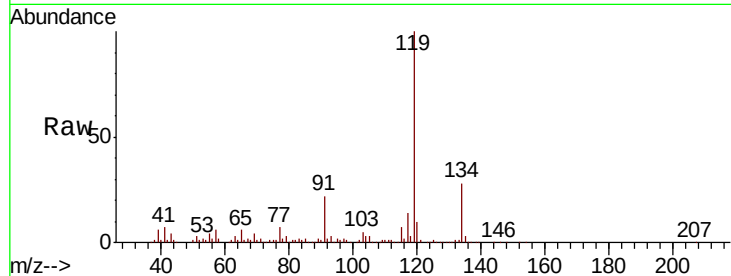




#86
p-Isopropyltoluene
Concen: 10.16 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. -0.00 min
Lab File: VN051117.D
Acq: 11 Sep 2018 11:05

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-B

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.5	40.4
91	21.6	10.9	32.9

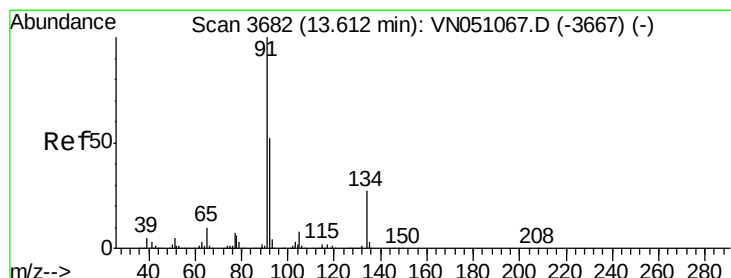
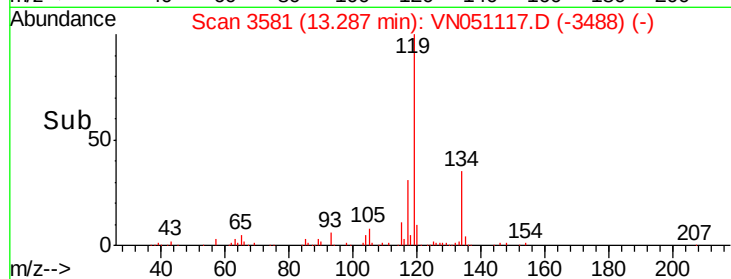
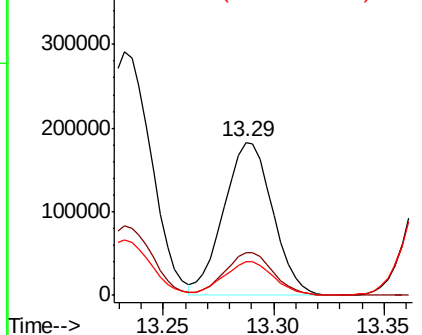


Abundance

Ion 119.00 (118.70 to 119.70): V

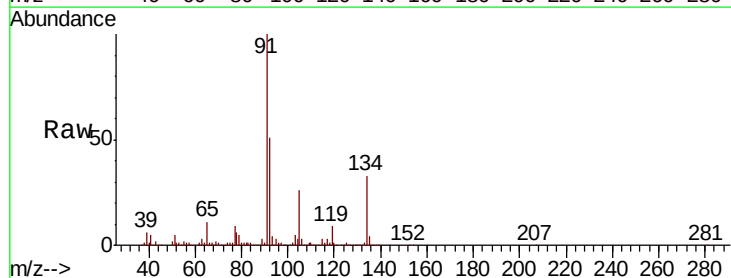
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#89
n-Butylbenzene
Concen: 14.68 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051117.D
Acq: 11 Sep 2018 11:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.7	26.2	78.6
134	0.0	13.7	41.1#

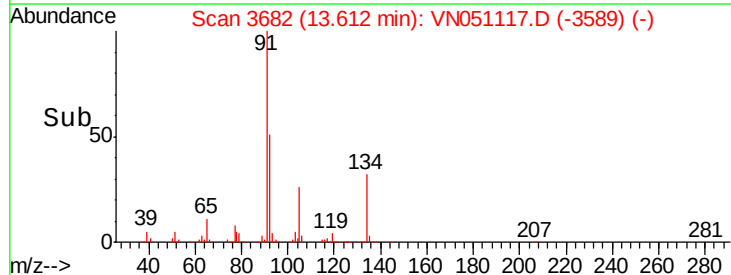
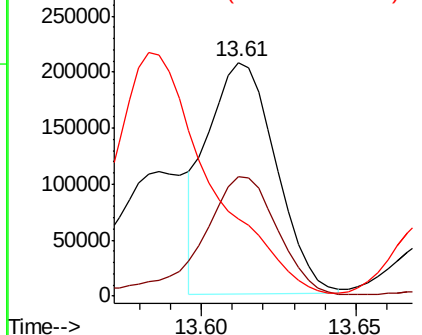


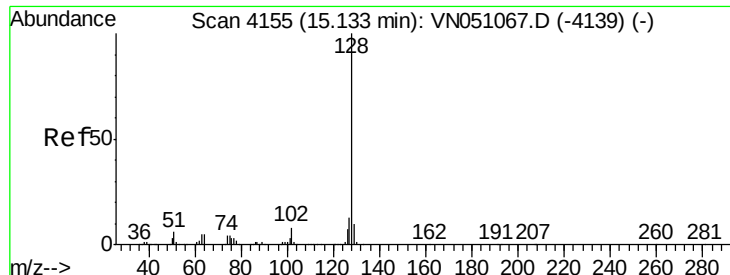
Abundance

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





#95
Naphthalene
Concen: 30.69 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051117.D
Acq: 11 Sep 2018 11:05

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-B

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	11.0	8.6	12.8

