

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN033119\
 Data File : VN054858.D
 Acq On : 31 Mar 2019 18:38
 Operator : JC/SP
 Sample : K2180-20
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

Quant Time: Apr 01 04:21:08 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	530827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	901516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	757324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	291114	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	366458	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
35) Dibromofluoromethane	7.59	113	285605	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
50) Toluene-d8	10.09	98	1070793	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	12.40	95	337803	45.46	ug/l	0.00
Spiked Amount			Recovery	=	90.92%	

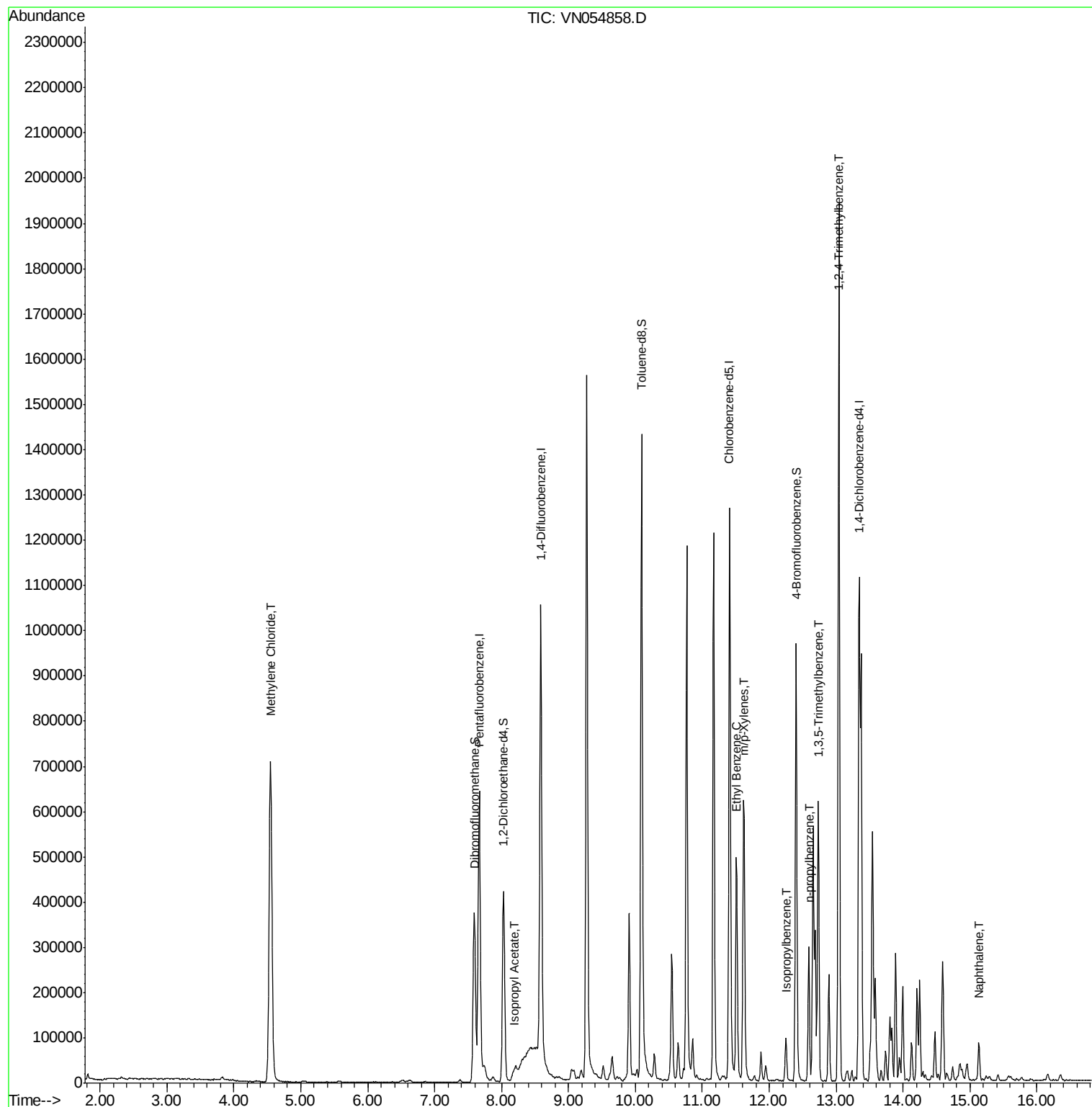
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.54	84	487375	80.971	ug/l #	84
43) Isopropyl Acetate	8.18	43	20404	2.038	ug/l #	89
67) Ethyl Benzene	11.51	91	371230	13.874	ug/l	96
68) m/p-Xylenes	11.62	106	202987	20.500	ug/l	90
73) Isopropylbenzene	12.25	105	62577	2.630	ug/l	96
78) n-propylbenzene	12.59	91	231379	8.847	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	335948	17.207	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	1096509	58.950	ug/l	97
95) Naphthalene	15.13	128	69636	6.637	ug/l	99

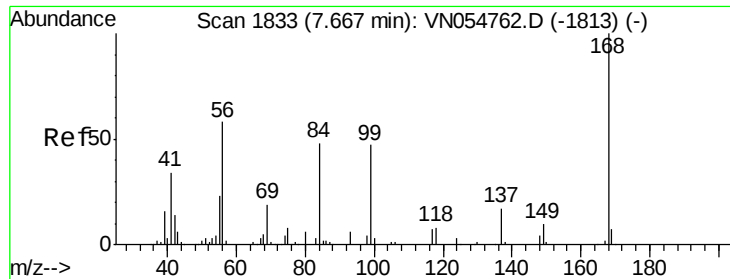
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054858.D

Acq: 31 Mar 2019 18:38

Instrument :

MSVOA_N

ClientSampled :

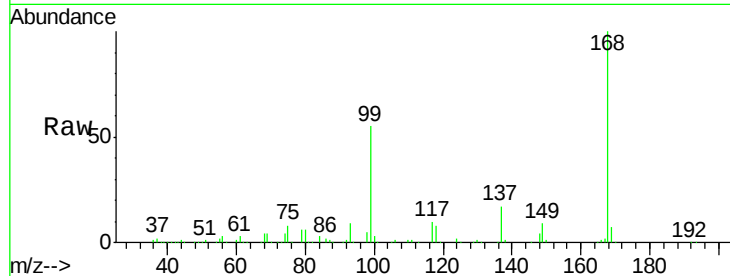
TP-10

Tgt Ion:168 Resp: 530827

Ion Ratio Lower Upper

168 100

99 54.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

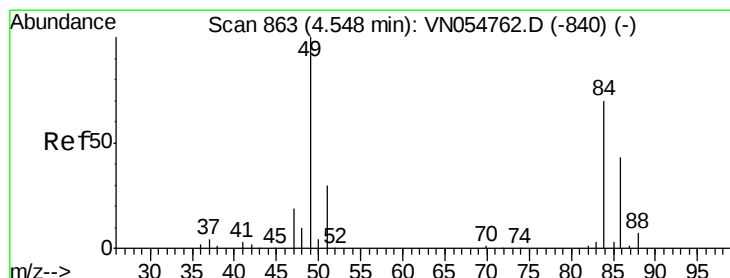
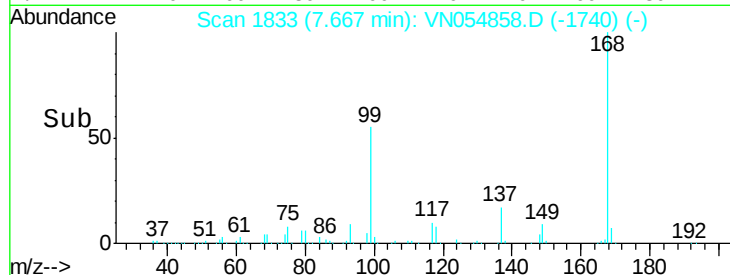
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 80.971 ug/l

RT: 4.54 min Scan# 862

Delta R.T. -0.00 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

Tgt Ion: 84 Resp: 487375

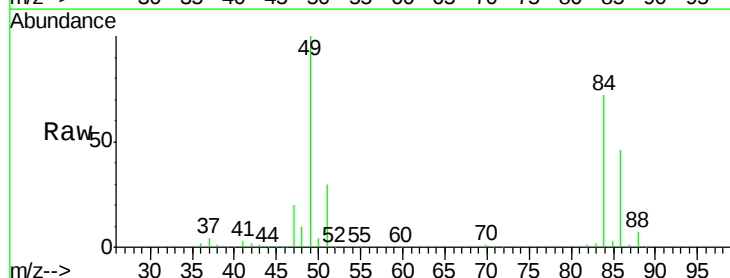
Ion Ratio Lower Upper

84 100

49 139.3 89.7 134.5#

51 42.4 28.2 42.4#

86 63.7 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VN

Ion 48.90 (48.60 to 49.60): VN

Ion 50.90 (50.60 to 51.60): VN

Ion 85.90 (85.60 to 86.60): VN

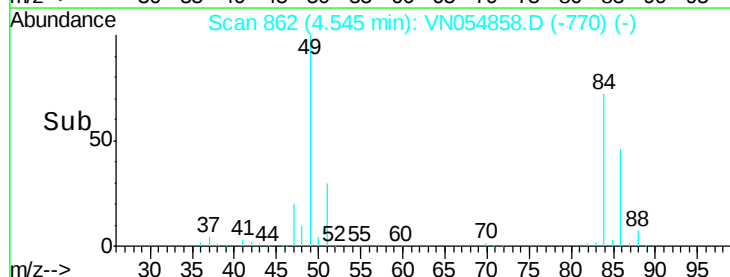
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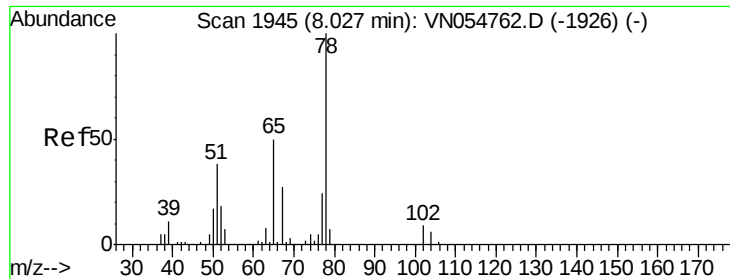
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Time-->

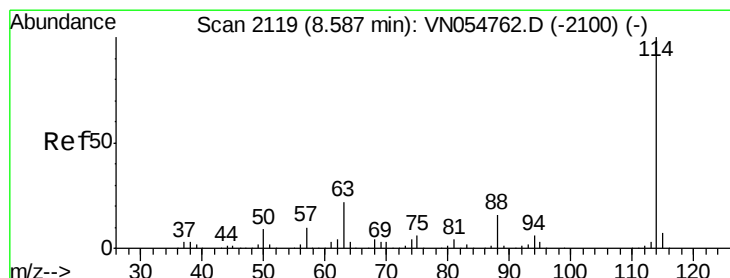
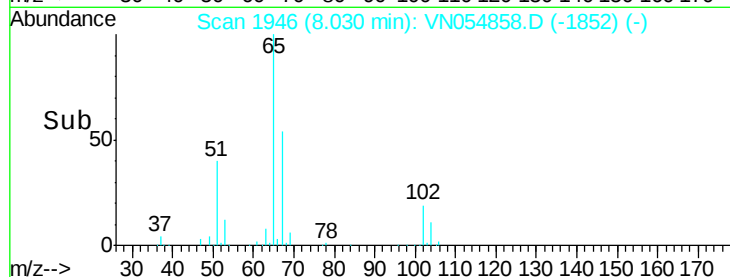
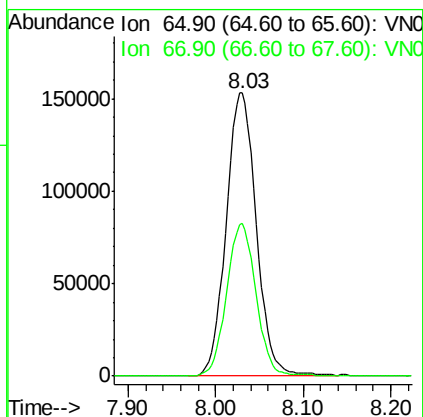
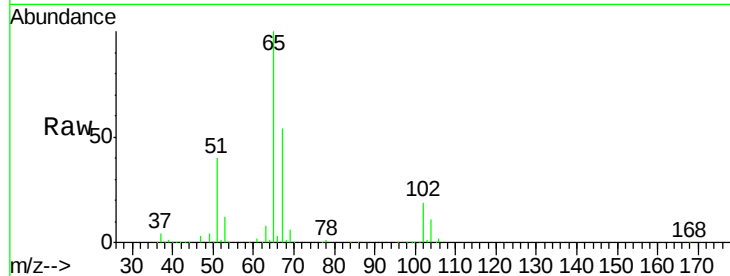




#33
 1,2-Dichloroethane-d4
 Concen: 51.212 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054858.D
 Acq: 31 Mar 2019 18:38

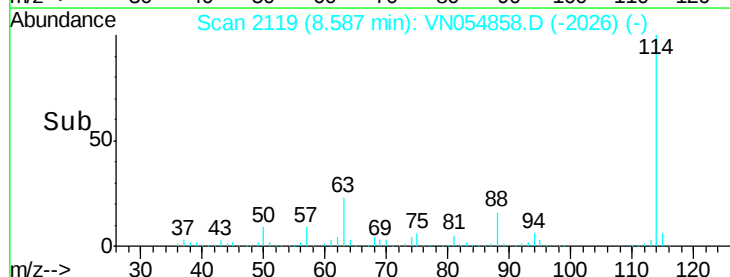
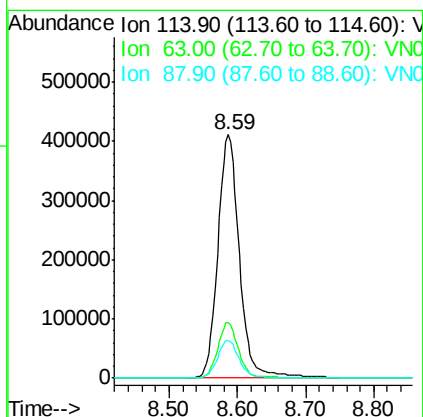
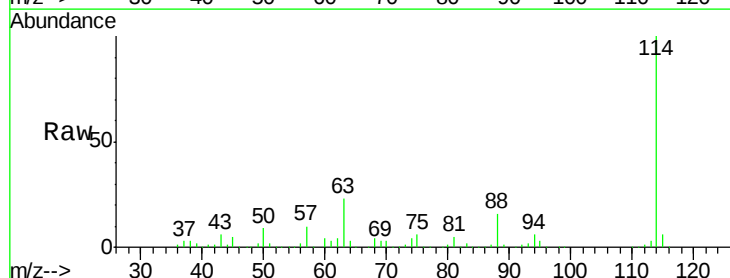
Instrument :
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 ClientSampleId :
 TP-10

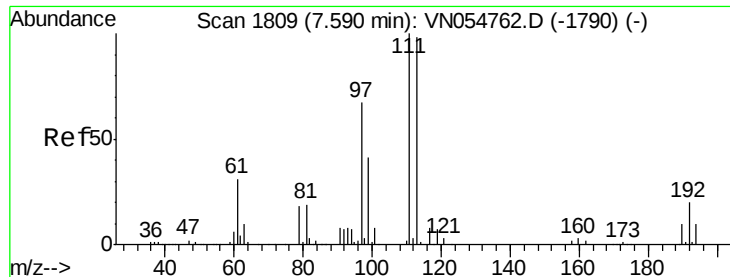
Tgt Ion: 65 Resp: 366458
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054858.D
 Acq: 31 Mar 2019 18:38

Tgt Ion: 114 Resp: 901516
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 35.2
 88 15.5 0.0 30.2

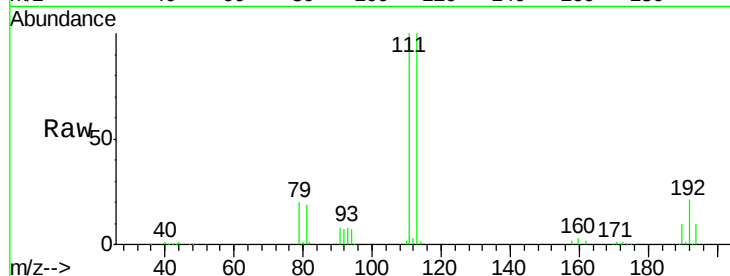




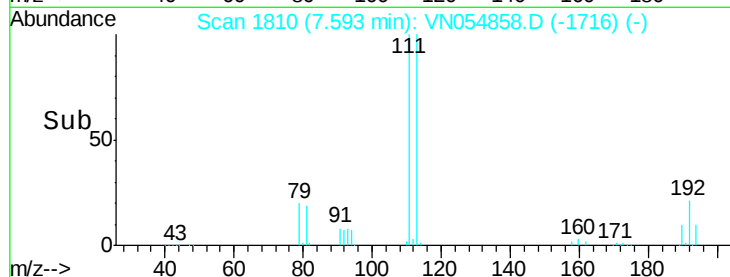
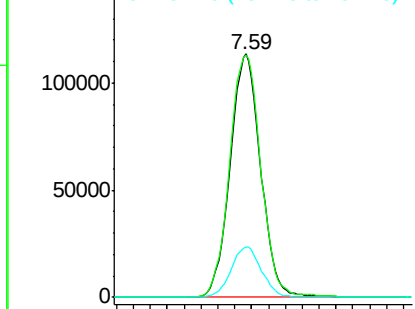
#35
 Dibromofluoromethane
 Concen: 47.519 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054858.D
 Acq: 31 Mar 2019 18:38

Instrument :
 MSVOA_N
 ClientSampled :
 TP-10

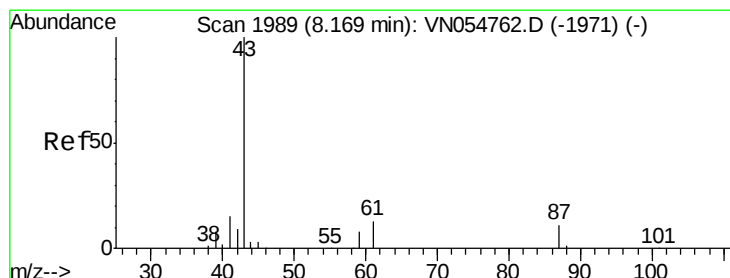
Tgt Ion: 113 Resp: 285605
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.4
 192 20.7 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

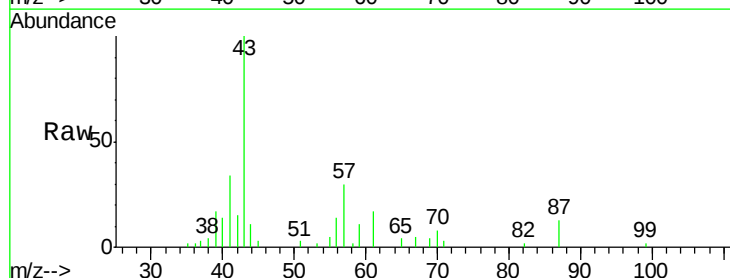


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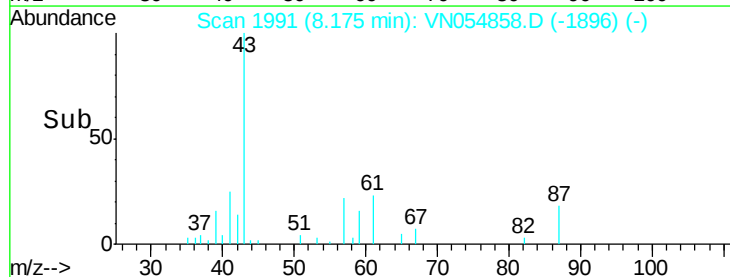
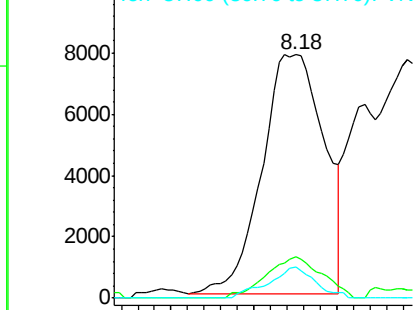


#43
 Isopropyl Acetate
 Concen: 2.038 ug/l
 RT: 8.18 min Scan# 1991
 Delta R.T. 0.01 min
 Lab File: VN054858.D
 Acq: 31 Mar 2019 18:38

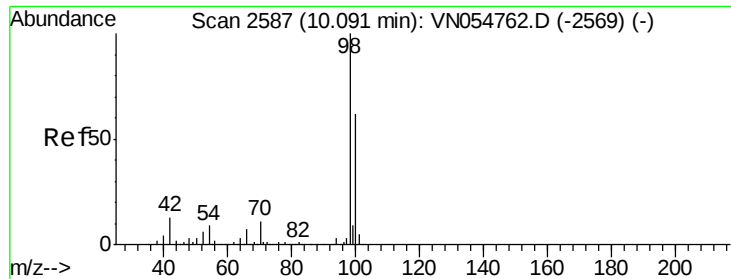
Tgt Ion: 43 Resp: 20404
 Ion Ratio Lower Upper
 43 100
 61 15.4 15.8 23.8#
 87 9.7 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 87.00 (86.70 to 87.70): VNO



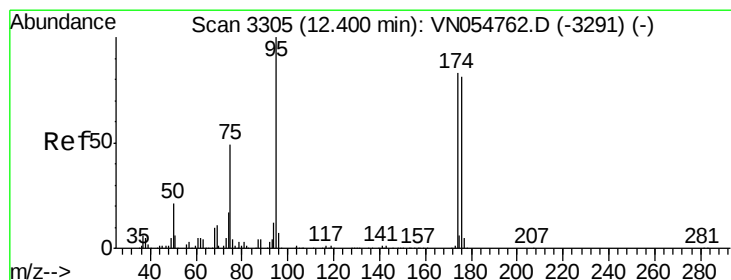
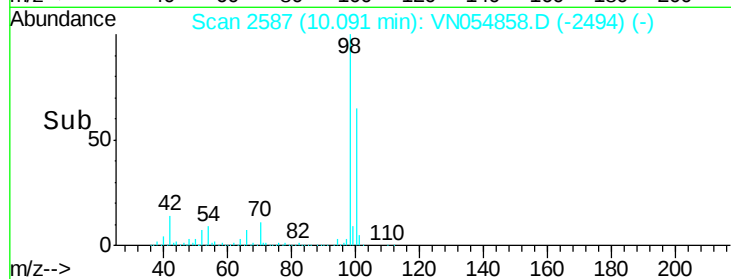
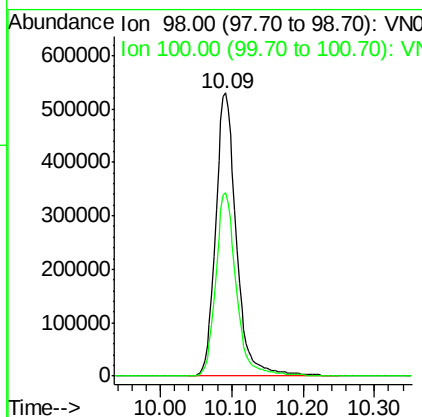
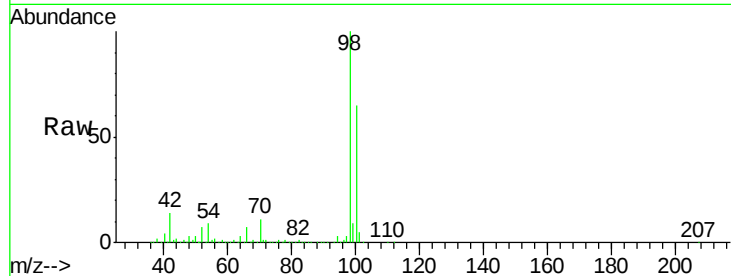
Time-->



#50
Toluene-d8
Concen: 47.921 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054858.D
Acq: 31 Mar 2019 18:38

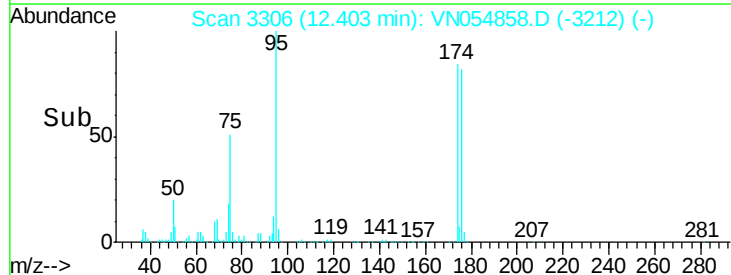
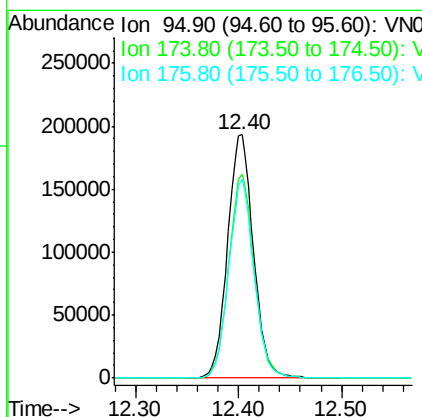
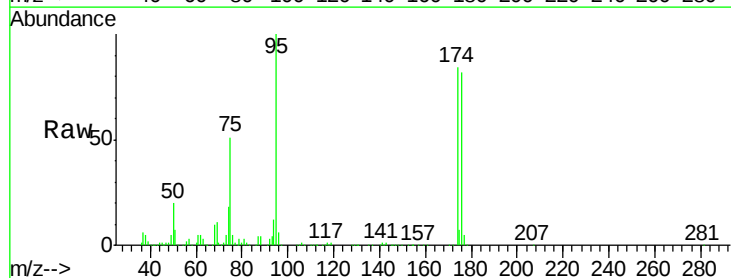
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MSVOA_N
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TP-10

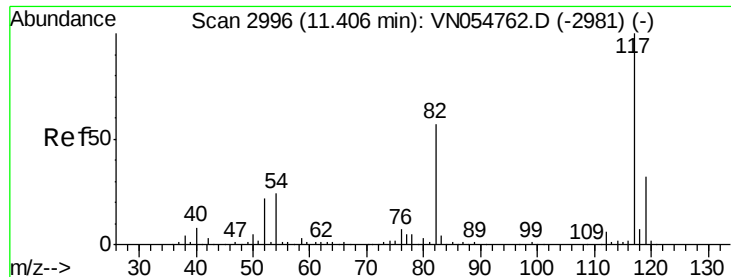
Tgt Ion: 98 Resp: 1070793
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 45.456 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN054858.D
Acq: 31 Mar 2019 18:38

Tgt Ion: 95 Resp: 337803
Ion Ratio Lower Upper
95 100
174 82.5 0.0 191.0
176 79.9 0.0 187.4

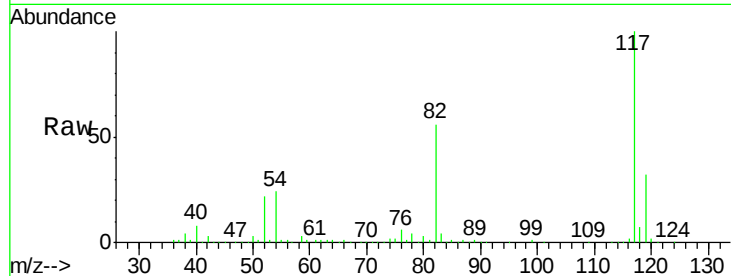




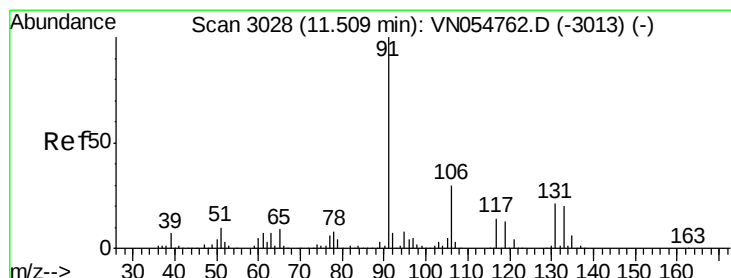
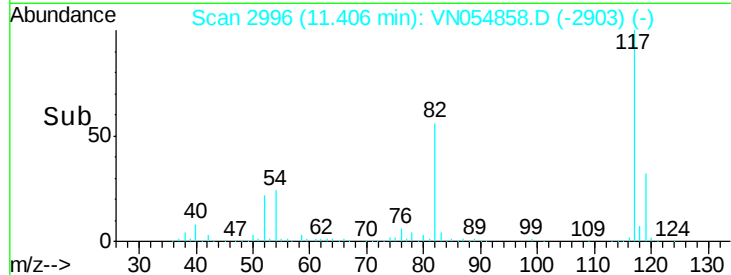
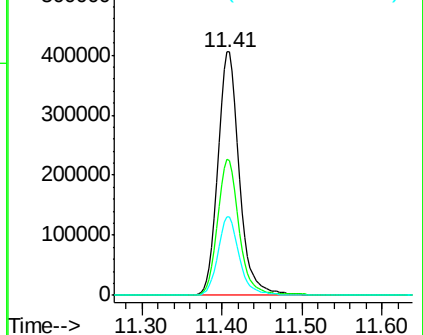
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054858.D
Acq: 31 Mar 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
TP-10

Tgt Ion: 117 Resp: 757324
Ion Ratio Lower Upper
117 100
82 55.9 40.0 60.0
119 32.4 25.8 38.6

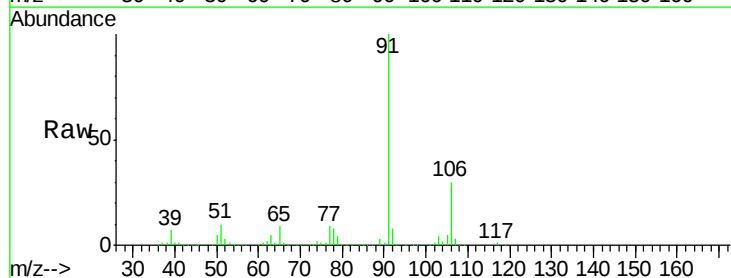


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

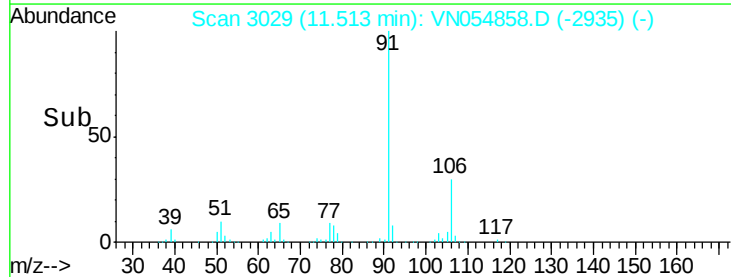
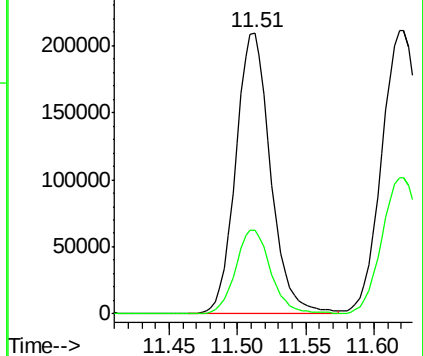


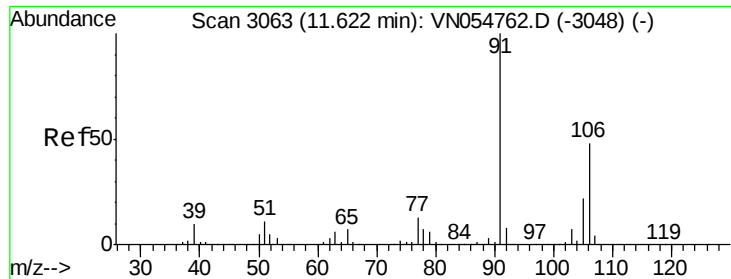
#67
Ethyl Benzene
Concen: 13.874 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054858.D
Acq: 31 Mar 2019 18:38

Tgt Ion: 91 Resp: 371230
Ion Ratio Lower Upper
91 100
106 29.9 25.5 38.3



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

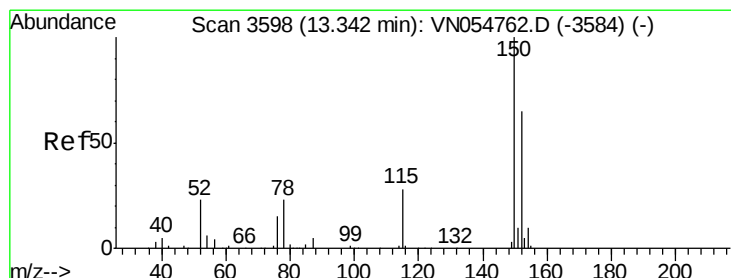
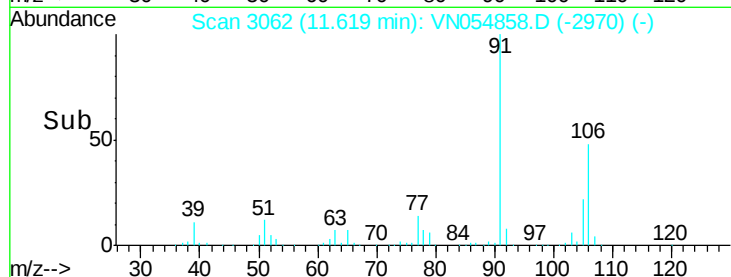
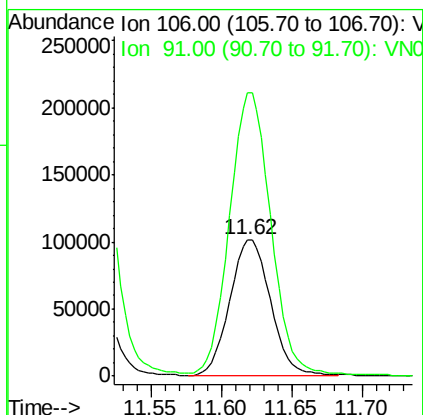
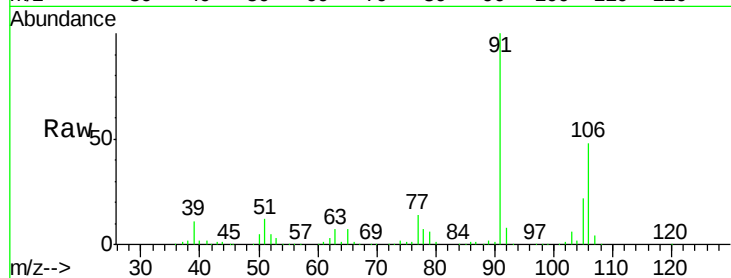




#68
m/p-Xylenes
Concen: 20.500 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054858.D
Acq: 31 Mar 2019 18:38

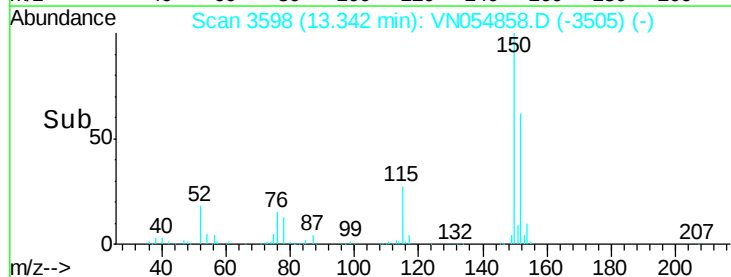
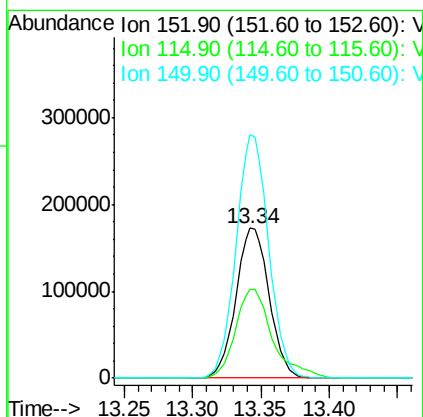
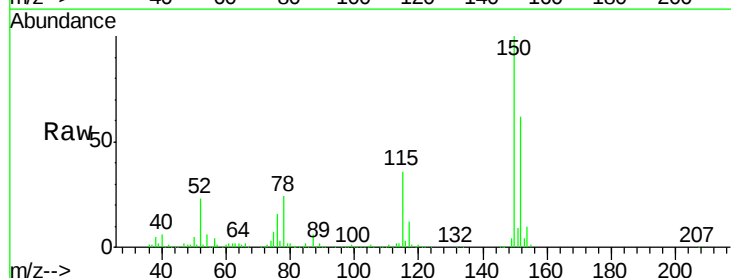
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ClientSampled :
TP-10

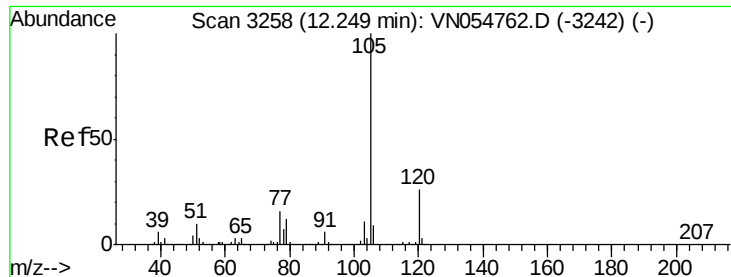
Tgt Ion:106 Resp: 202987
Ion Ratio Lower Upper
106 100
91 214.7 159.4 239.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054858.D
Acq: 31 Mar 2019 18:38

Tgt Ion:152 Resp: 291114
Ion Ratio Lower Upper
152 100
115 65.8 27.2 81.6
150 159.6 0.0 349.2





#73

Isopropylbenzene

Concen: 2.630 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

Instrument :

MSVOA_N

ClientSampled :

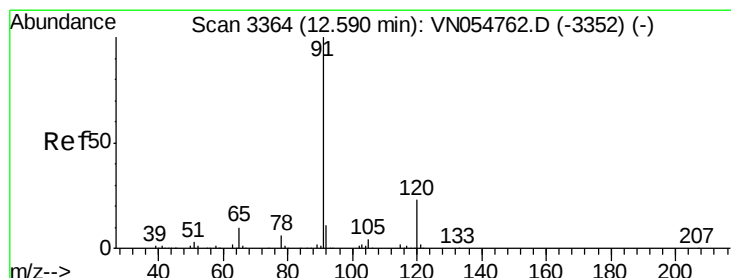
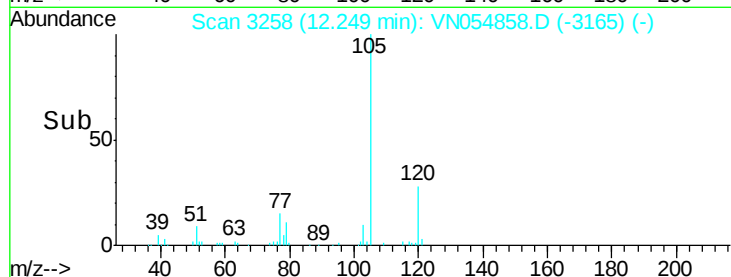
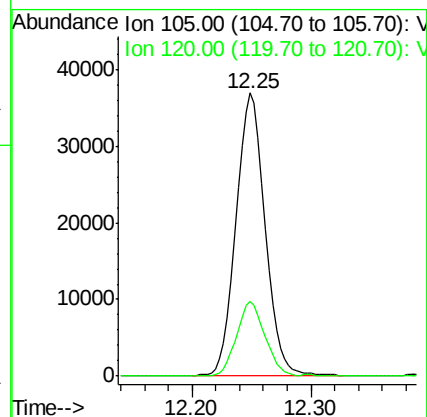
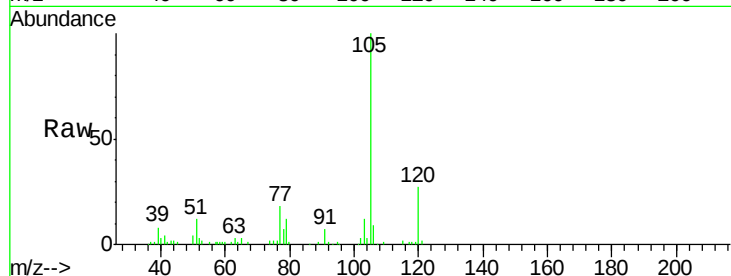
TP-10

Tgt Ion: 105 Resp: 62577

Ion Ratio Lower Upper

105 100

120 25.6 13.8 41.3



#78

n-propylbenzene

Concen: 8.847 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054858.D

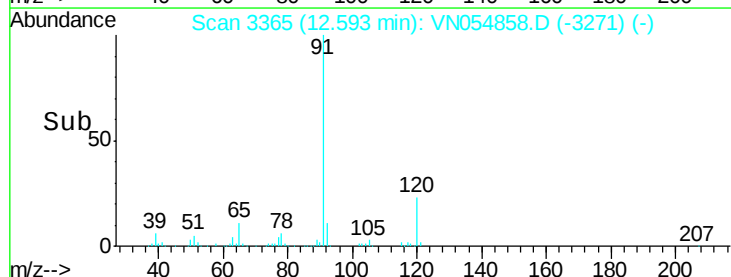
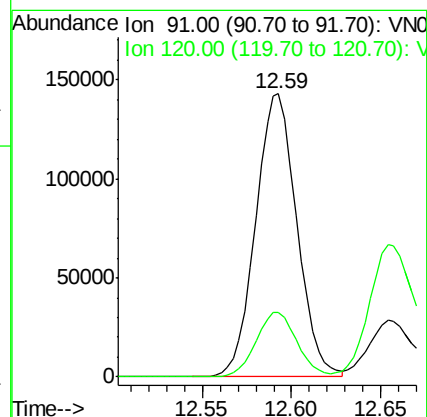
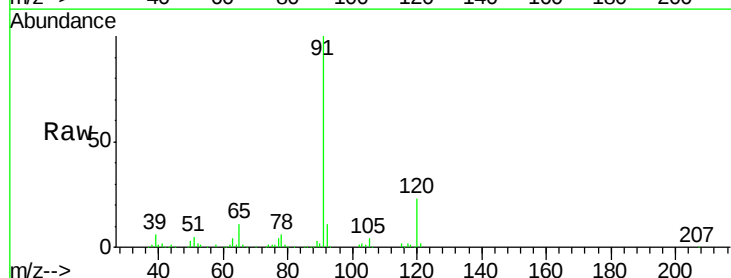
Acq: 31 Mar 2019 18:38

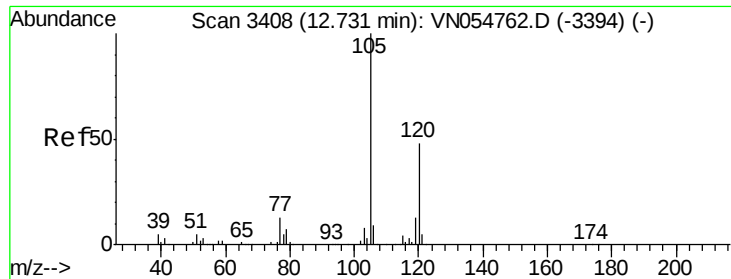
Tgt Ion: 91 Resp: 231379

Ion Ratio Lower Upper

91 100

120 22.8 12.3 36.9

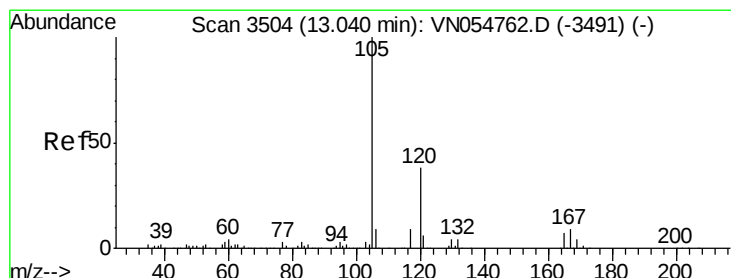
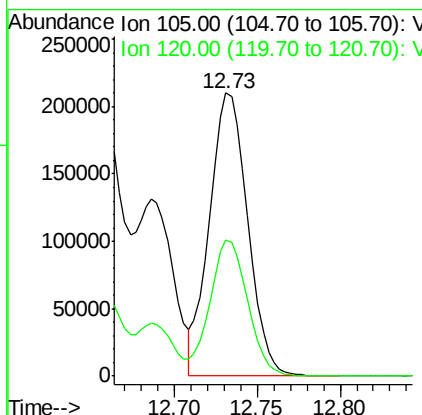
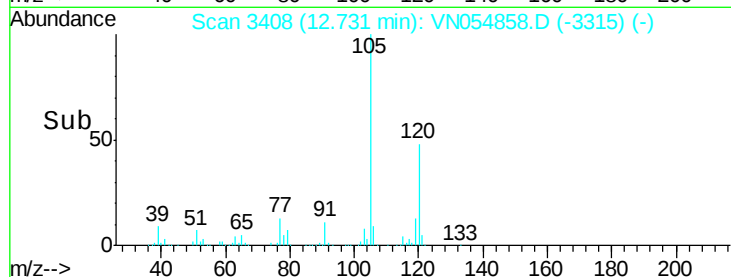
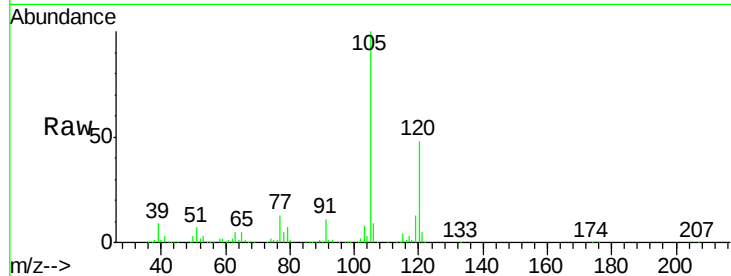




#80
 1,3,5-Trimethylbenzene
 Concen: 17.207 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN054858.D
 Acq: 31 Mar 2019 18:38

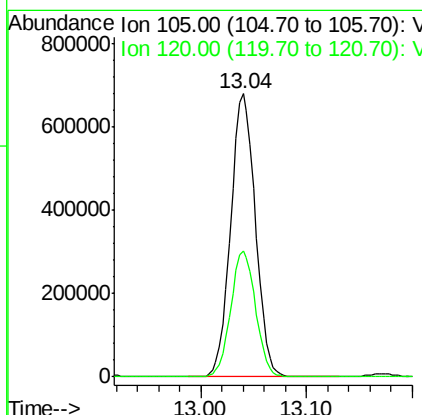
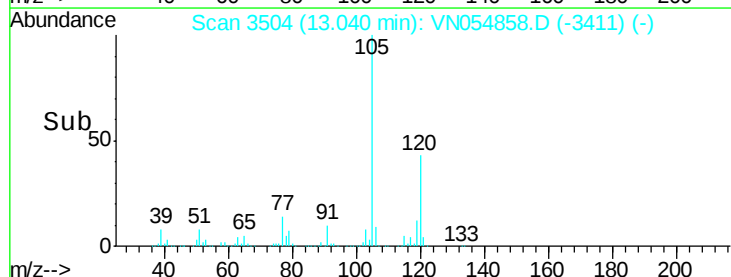
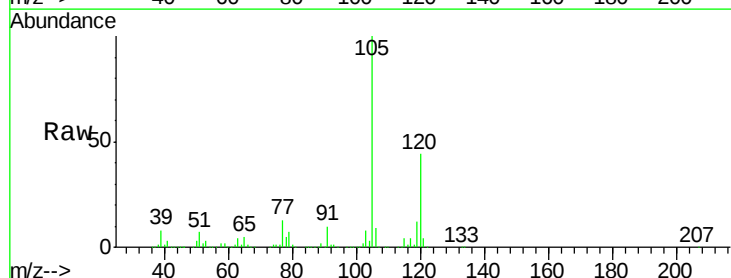
Instrument :
 MSVOA_N
 ClientSampled :
 TP-10

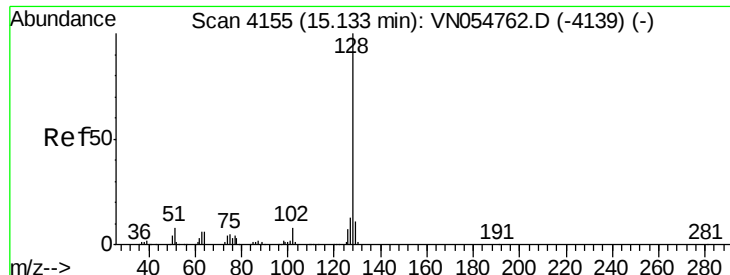
Tgt Ion:105 Resp: 335948
 Ion Ratio Lower Upper
 105 100
 120 47.4 25.0 75.0



#84
 1,2,4-Trimethylbenzene
 Concen: 58.950 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054858.D
 Acq: 31 Mar 2019 18:38

Tgt Ion:105 Resp: 1096509
 Ion Ratio Lower Upper
 105 100
 120 44.7 23.4 70.3





#95

Naphthalene

Concen: 6.637 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

TP-10

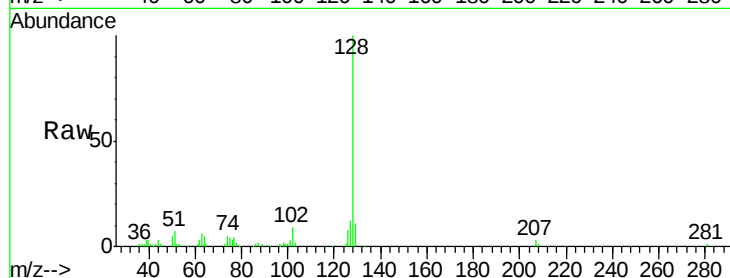
Tgt Ion:128 Resp: 69636

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

129 11.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

