

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056190.D
 Acq On : 11 Jun 2019 00:59
 Operator : JC/SP
 Sample : K3214-03 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4A

Quant Time: Jun 11 05:02:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	319980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	486825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	488782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	221630	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	171614	54.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.04%	
35) Dibromofluoromethane	7.59	113	160523	53.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.48%	
50) Toluene-d8	10.09	98	635463	55.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.58%	
62) 4-Bromofluorobenzene	12.40	95	230660	59.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	118.02%	

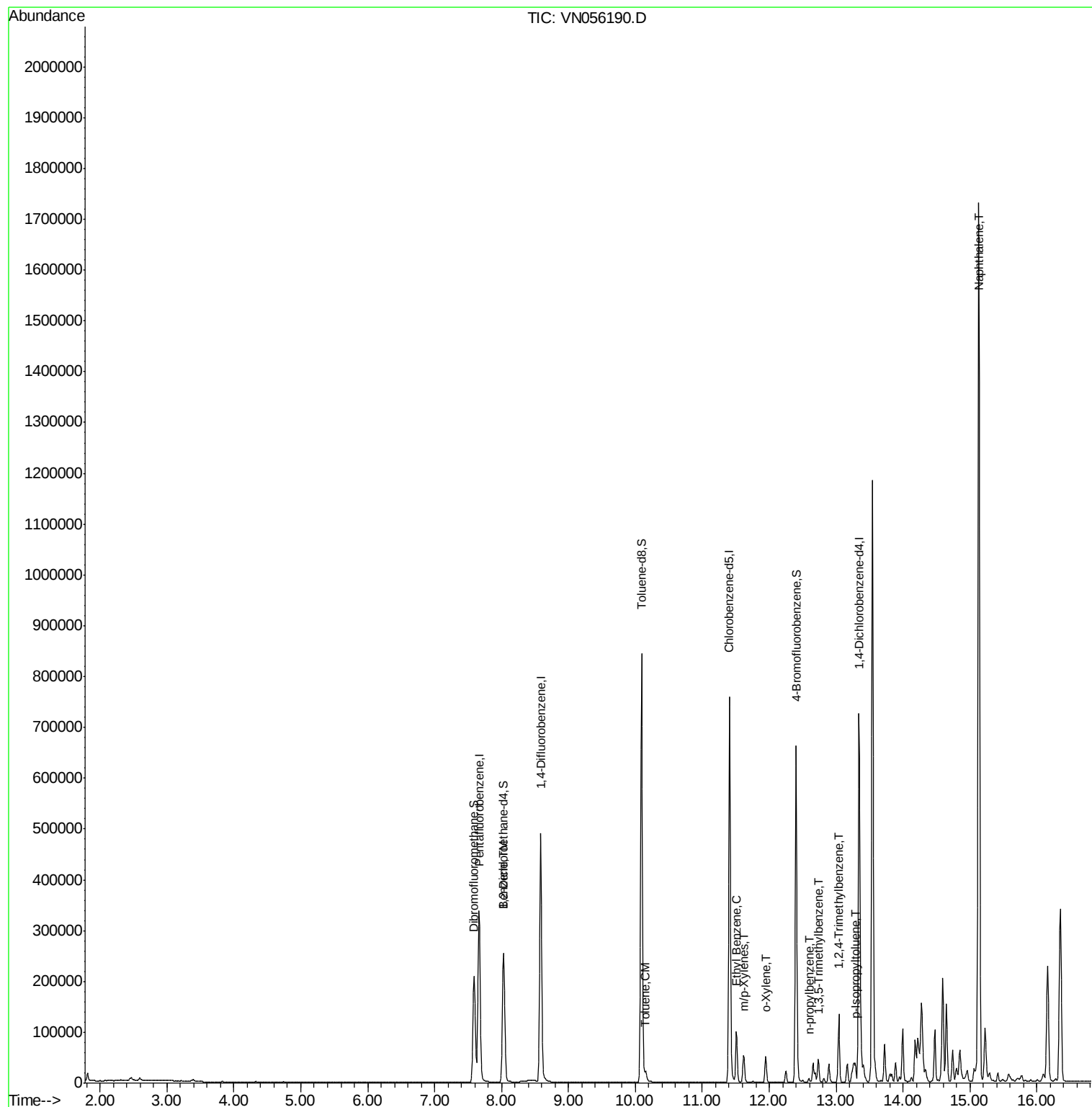
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
40) Benzene	8.04	78	78897	6.206	ug/l	99
52) Toluene	10.16	92	6616	0.836	ug/l	100
67) Ethyl Benzene	11.51	91	77100	4.558	ug/l	98
68) m/p-Xylenes	11.62	106	19242	2.978	ug/l	99
69) o-Xylene	11.95	106	14777	2.325	ug/l	100
78) n-propylbenzene	12.59	91	7289	0.389	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	25231	1.693	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	78135	5.529	ug/l	98
86) p-Isopropyltoluene	13.29	119	19369	1.303	ug/l	96
95) Naphthalene	15.13	128	1580473	141.459	ug/l	100

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

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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056190.D

Acq: 11 Jun 2019 00:59

Instrument :

MSVOA_N

ClientSampleId :

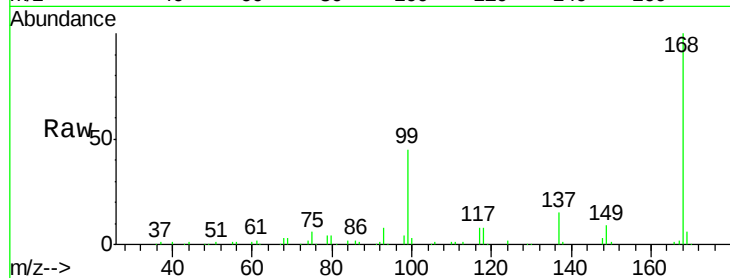
MW-4A

Tot Ion:168 Resp: 319980

Ion Ratio Lower Upper

168 100

99 45.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

150000

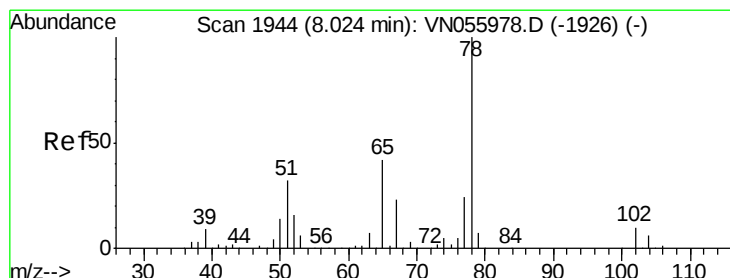
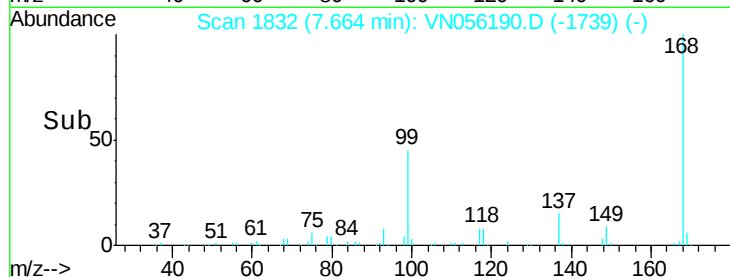
100000

50000

0

7.60 7.70 7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: 54.015 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056190.D

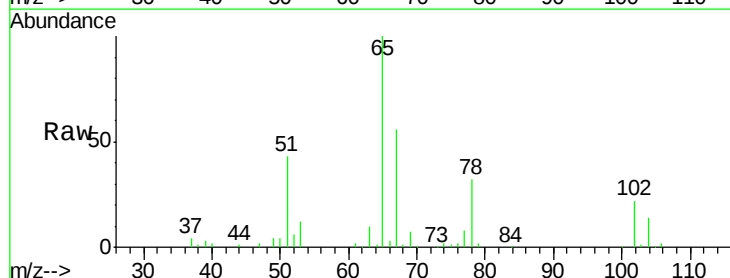
Acq: 11 Jun 2019 00:59

Tgt Ion: 65 Resp: 171614

Ion Ratio Lower Upper

65 100

67 54.3 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN055978.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN055978.D (-1926) (-)

8.03

80000

60000

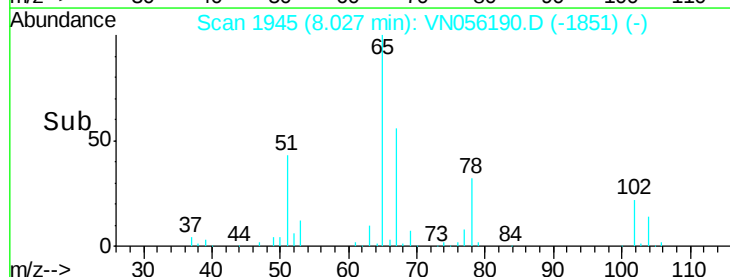
40000

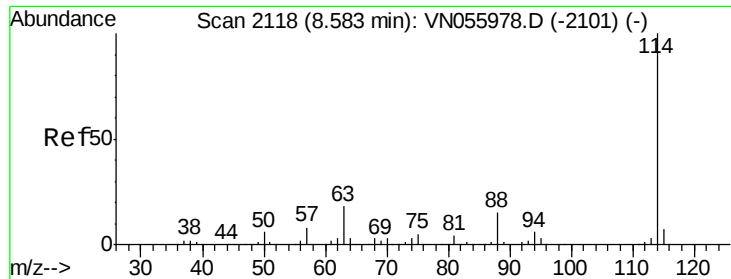
20000

0

7.90 8.00 8.10

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN056190.D

Acq: 11 Jun 2019 00:59

Instrument :

MSVOA_N

ClientSampleId :

MW-4A

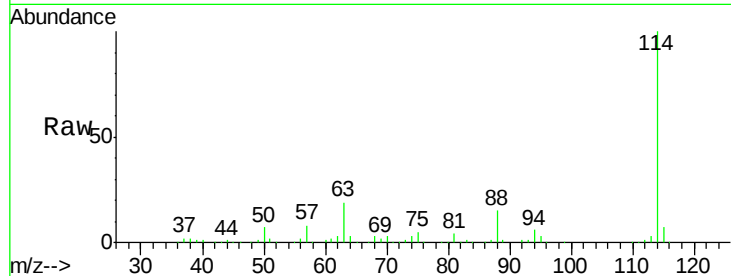
Tot Ion:114 Resp: 486825

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.2

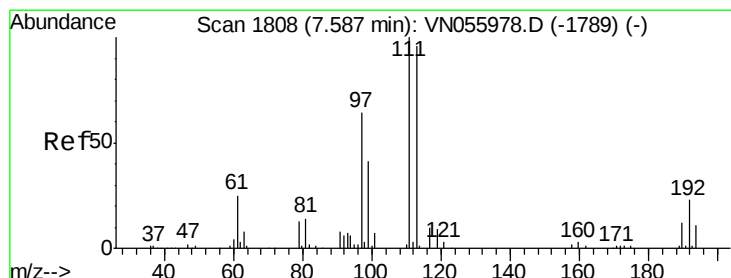
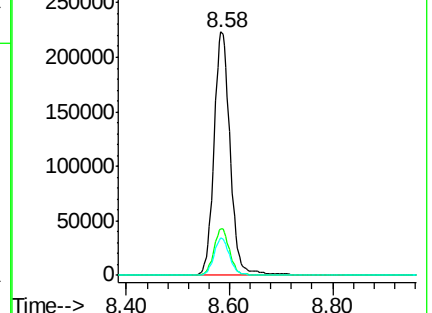
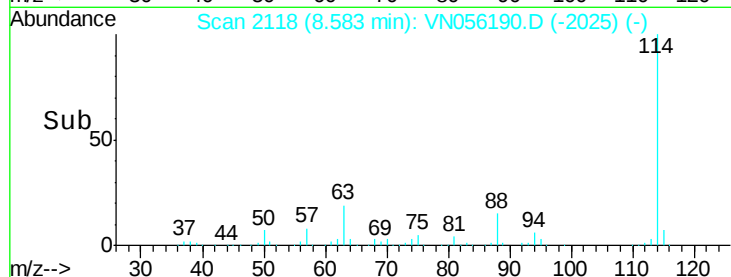
88 15.2 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 53.744 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056190.D

Acq: 11 Jun 2019 00:59

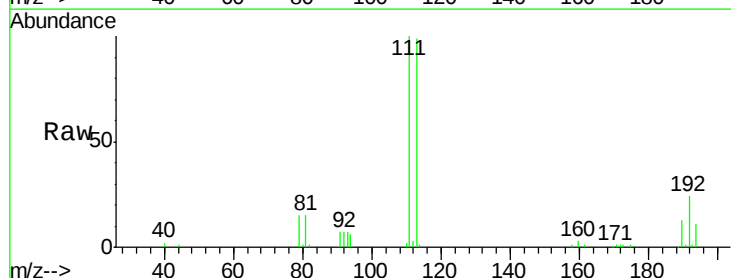
Tgt Ion:113 Resp: 160523

Ion Ratio Lower Upper

113 100

111 102.1 81.9 122.9

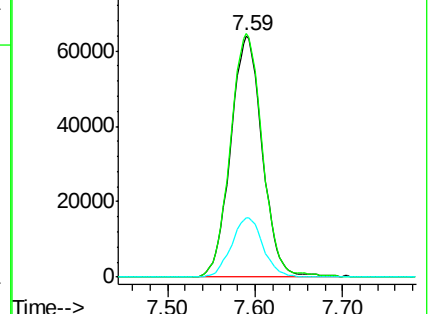
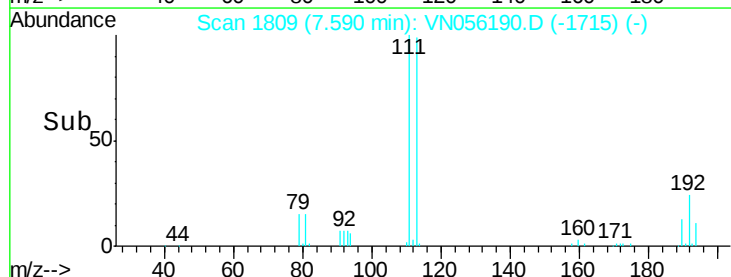
192 24.5 19.5 29.3

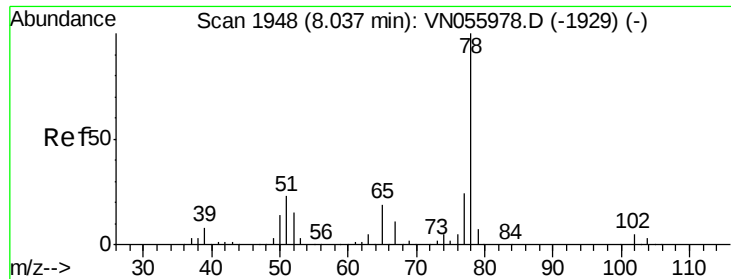


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 6.206 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN056190.D

Acq: 11 Jun 2019 00:59

Instrument :

MSVOA_N

ClientSampled :

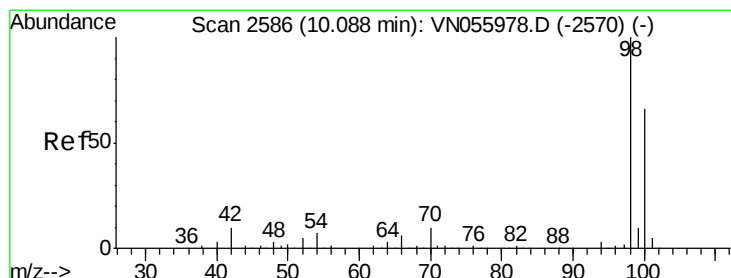
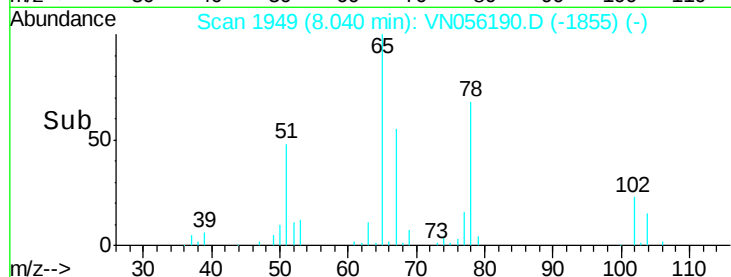
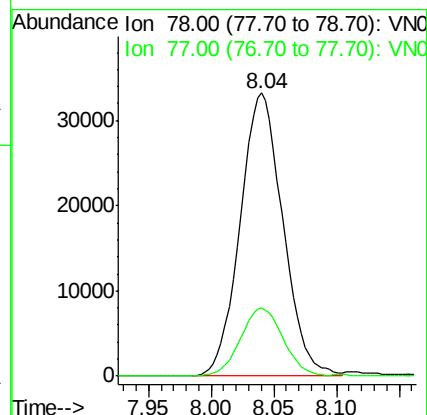
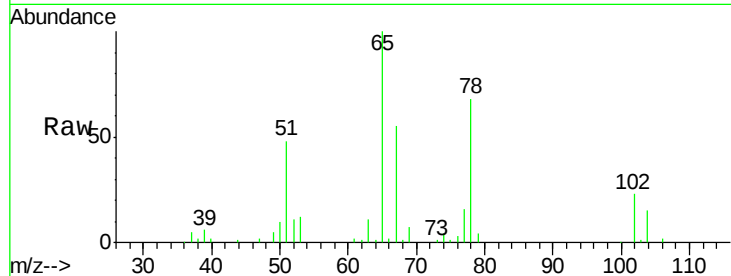
MW-4A

Tot Ion: 78 Resp: 78897

Ion Ratio Lower Upper

78 100

77 24.0 18.8 28.2



#50

Toluene-d8

Concen: 55.290 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056190.D

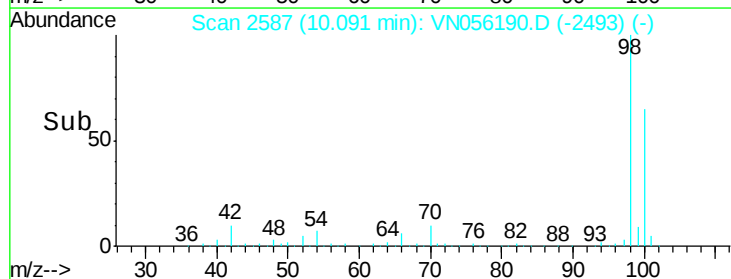
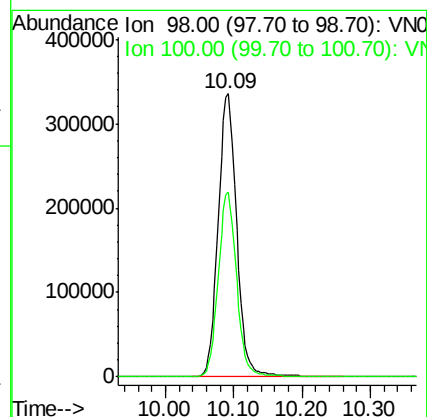
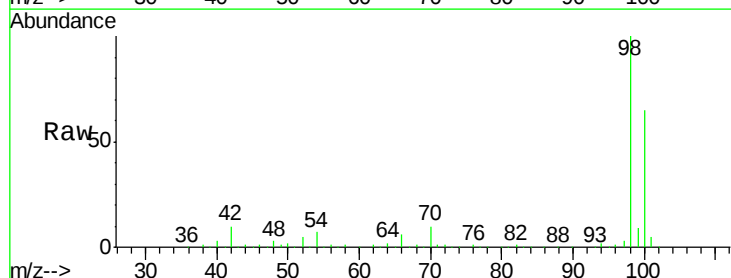
Acq: 11 Jun 2019 00:59

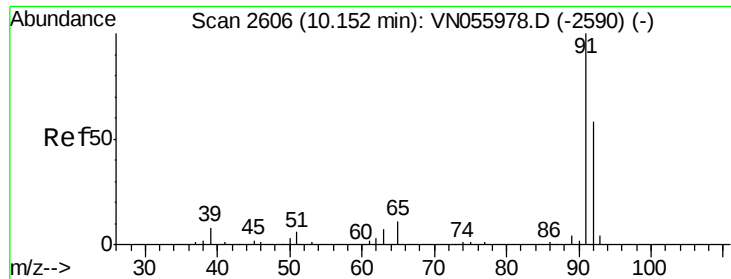
Tgt Ion: 98 Resp: 635463

Ion Ratio Lower Upper

98 100

100 64.7 51.9 77.9





#52

Toluene

Concen: 0.836 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056190.D

Acq: 11 Jun 2019 00:59

Instrument :

MSVOA_N

ClientSampleId :

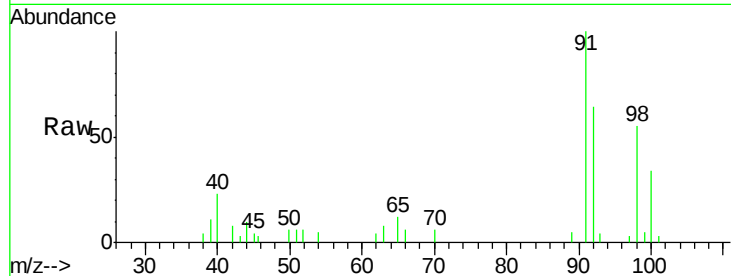
MW-4A

Tot Ion: 92 Resp: 6616

Ion Ratio Lower Upper

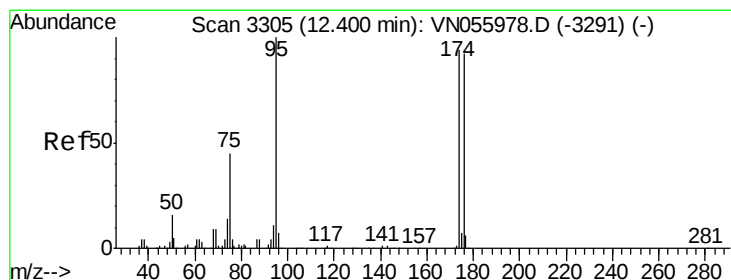
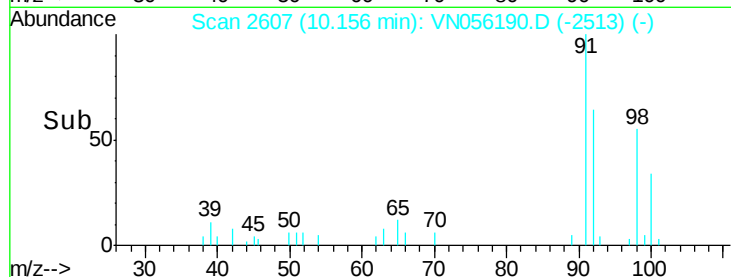
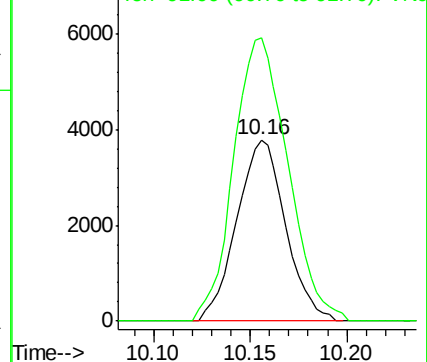
92 100

91 173.7 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 59.013 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056190.D

Acq: 11 Jun 2019 00:59

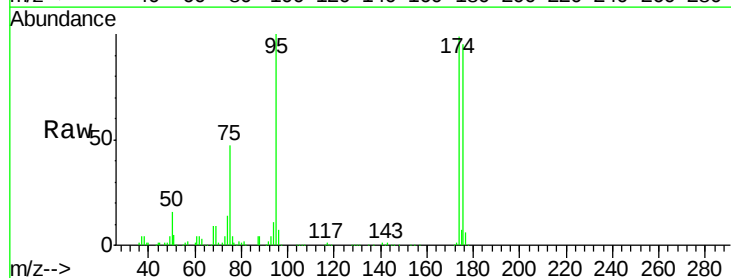
Tgt Ion: 95 Resp: 230660

Ion Ratio Lower Upper

95 100

174 97.9 0.0 191.0

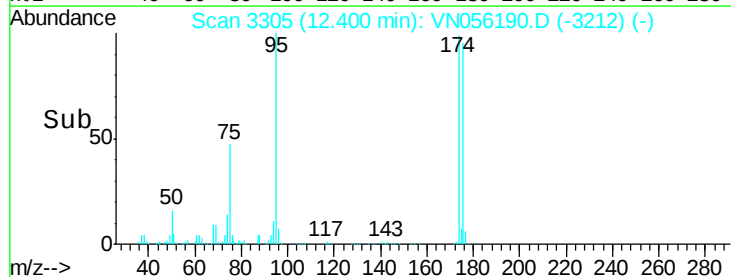
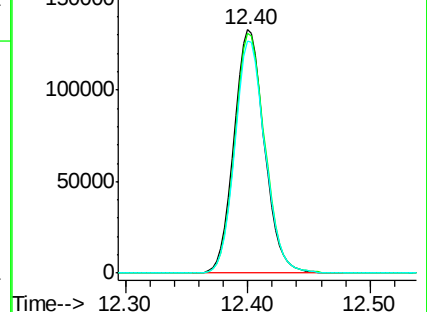
176 94.9 0.0 185.2

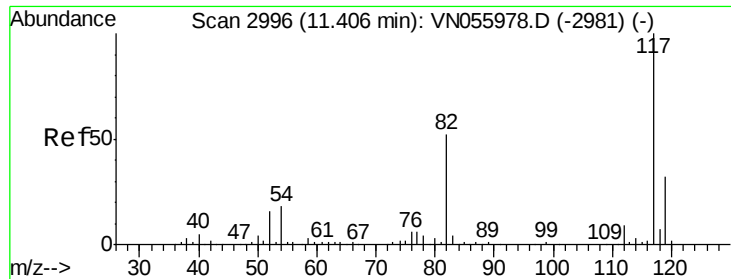


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

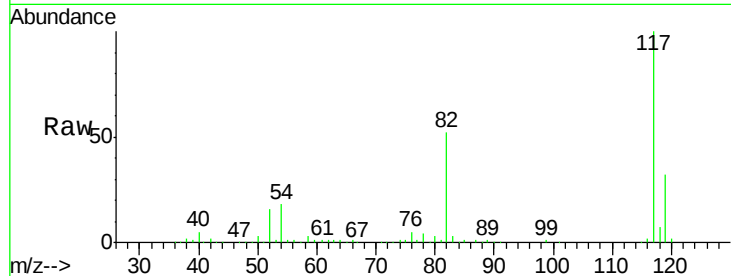




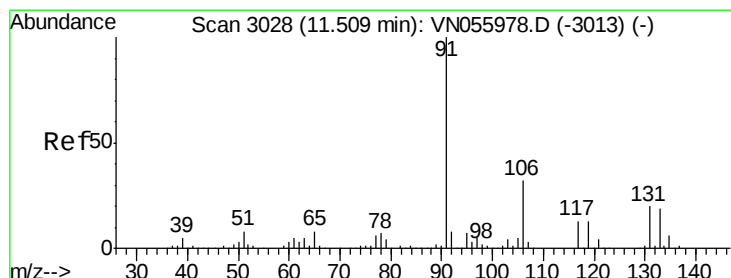
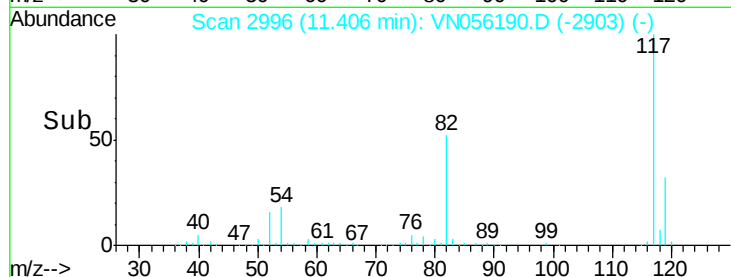
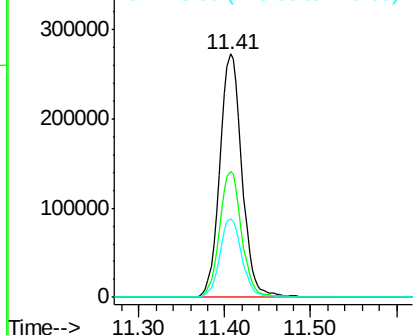
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056190.D
Acq: 11 Jun 2019 00:59

Instrument :
MSVOA_N
ClientSampled :
MW-4A

Tot Ion:117 Resp: 488782
Ion Ratio Lower Upper
117 100
82 51.9 41.8 62.8
119 32.3 25.4 38.0

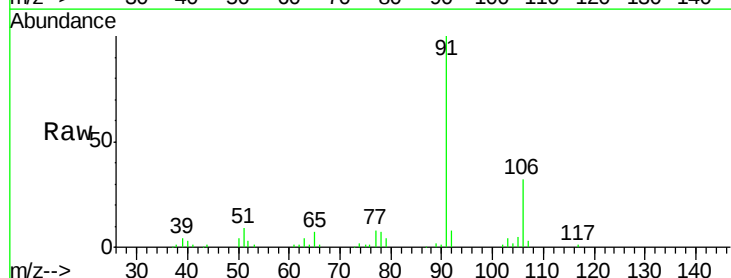


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

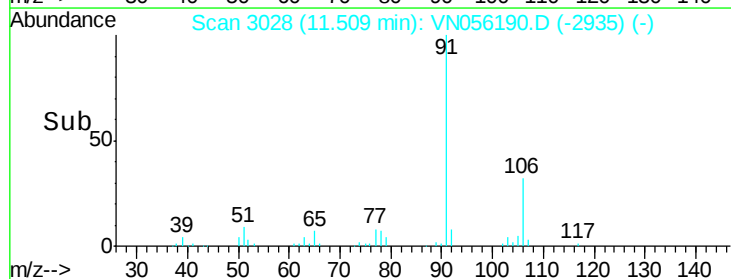
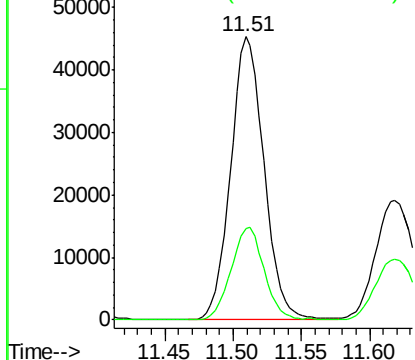


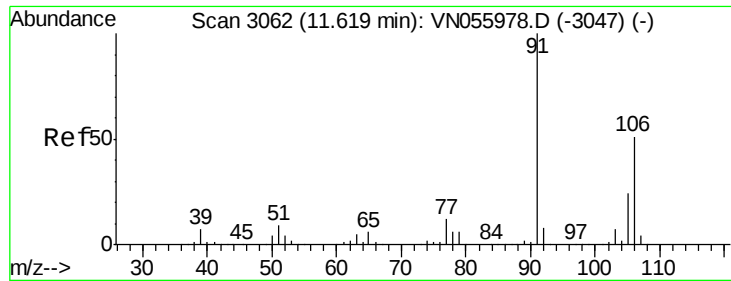
#67
Ethyl Benzene
Concen: 4.558 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056190.D
Acq: 11 Jun 2019 00:59

Tgt Ion: 91 Resp: 77100
Ion Ratio Lower Upper
91 100
106 32.3 25.1 37.7



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

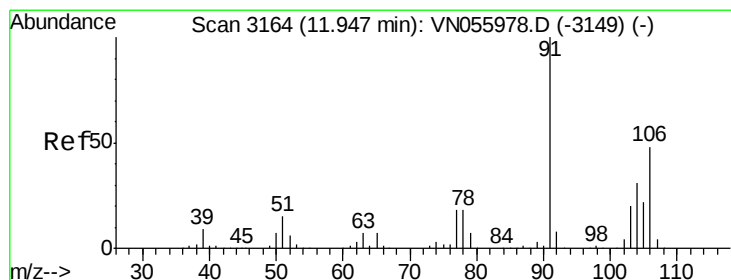
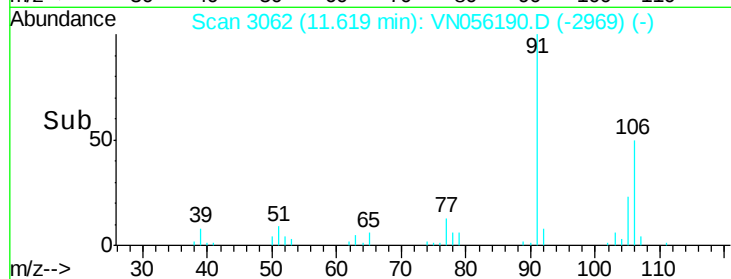
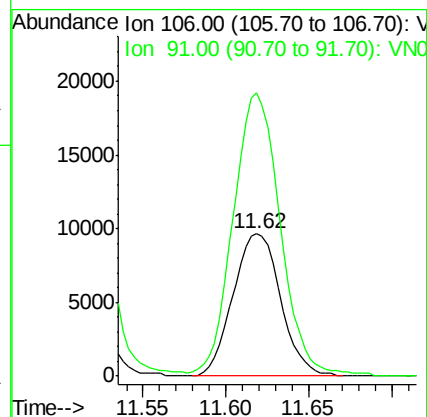
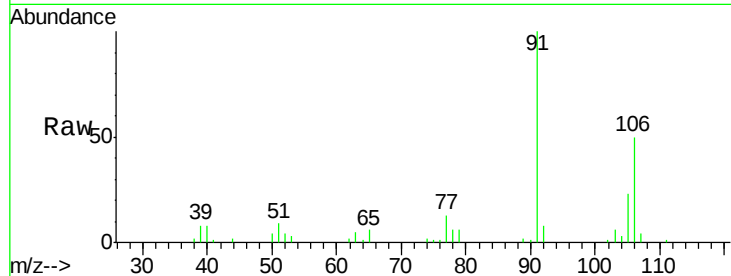




#68
m/p-Xvlenes
Concen: 2.978 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056190.D
Acq: 11 Jun 2019 00:59

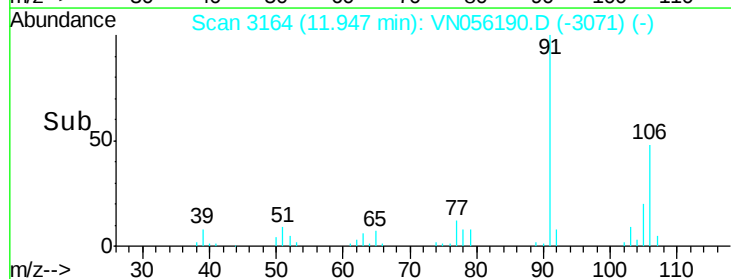
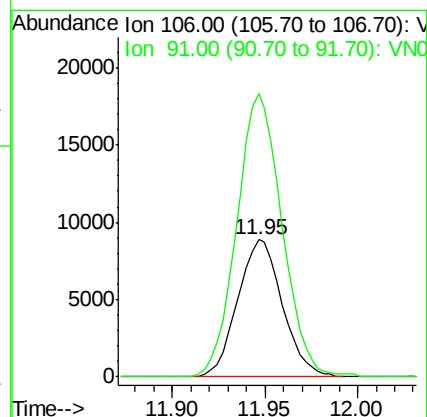
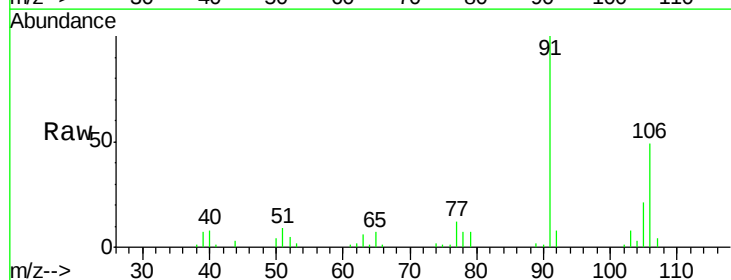
Instrument :
MSVOA_N
ClientSampled :
MW-4A

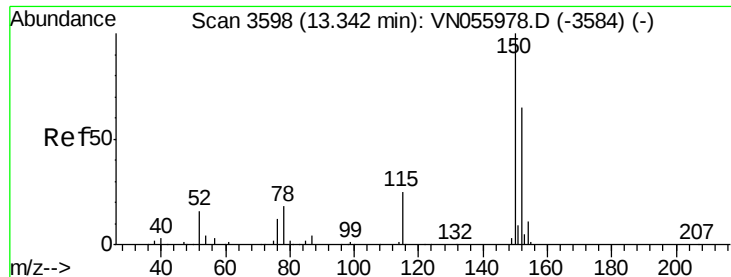
Tot Ion:106 Resp: 19242
Ion Ratio Lower Upper
106 100
91 197.7 159.3 238.9



#69
o-Xylene
Concen: 2.325 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056190.D
Acq: 11 Jun 2019 00:59

Tgt Ion:106 Resp: 14777
Ion Ratio Lower Upper
106 100
91 209.5 104.7 314.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056190.D

Acq: 11 Jun 2019 00:59

Instrument :

MSVOA_N

ClientSampleId :

MW-4A

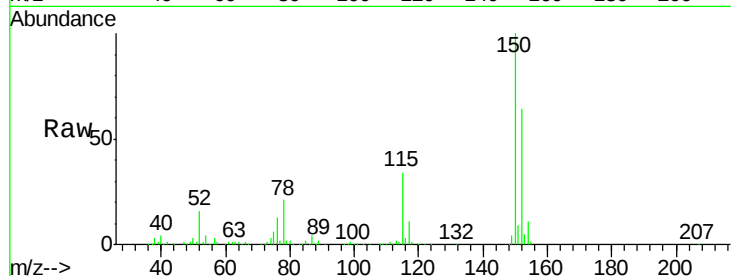
Tot Ion:152 Resp: 221630

Ion Ratio Lower Upper

152 100

115 52.3 27.0 81.0

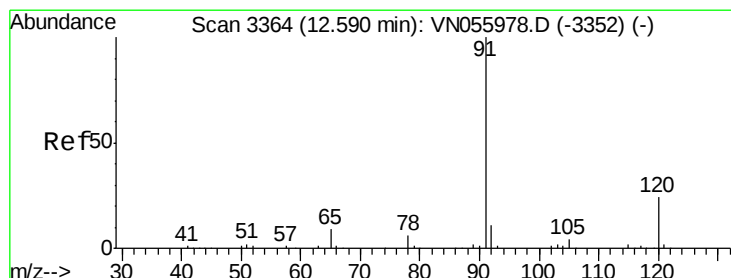
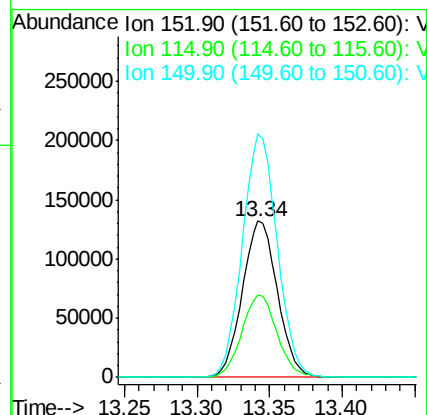
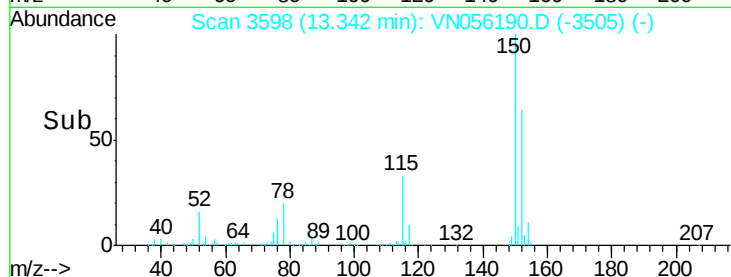
150 155.1 0.0 343.2



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



#78

n-propylbenzene

Concen: 0.389 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN056190.D

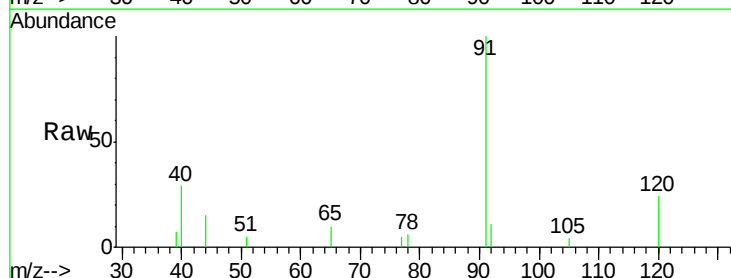
Acq: 11 Jun 2019 00:59

Tgt Ion: 91 Resp: 7289

Ion Ratio Lower Upper

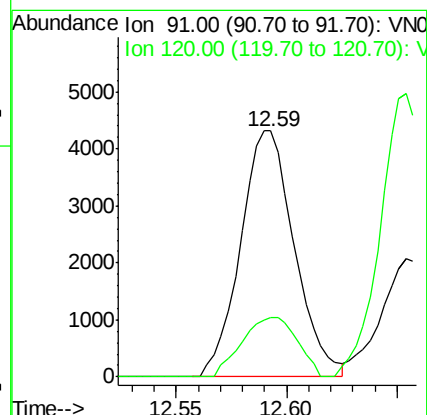
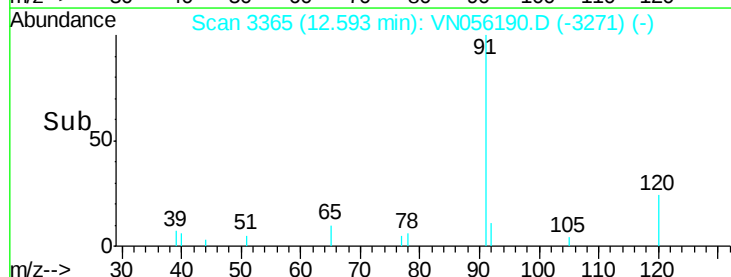
91 100

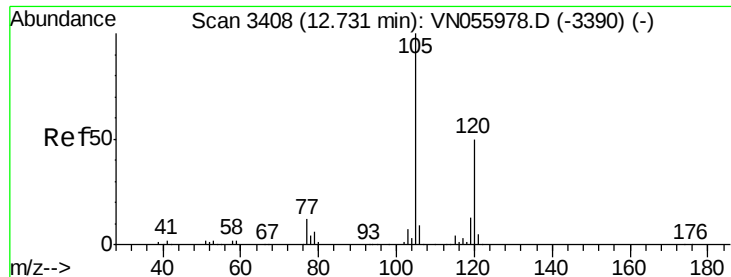
120 24.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 1.693 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056190.D

Acq: 11 Jun 2019 00:59

Instrument :

MSVOA_N

ClientSampled :

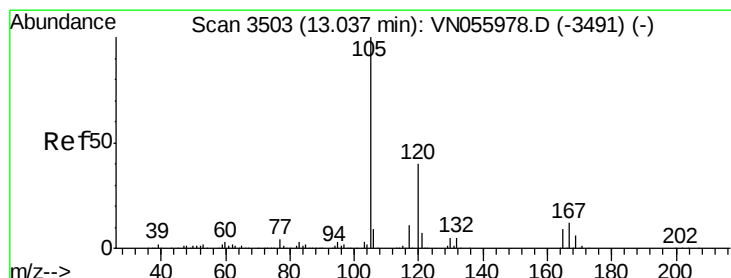
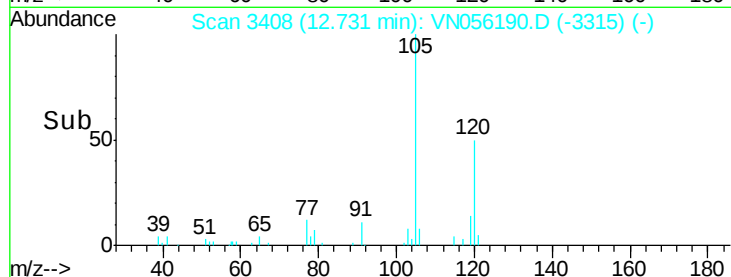
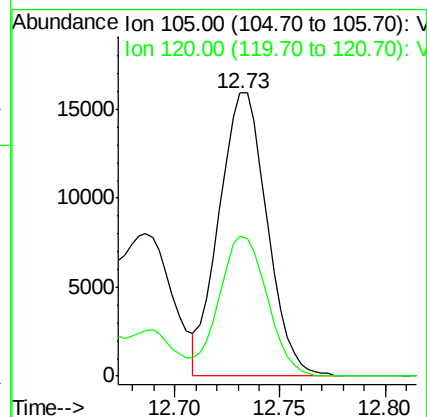
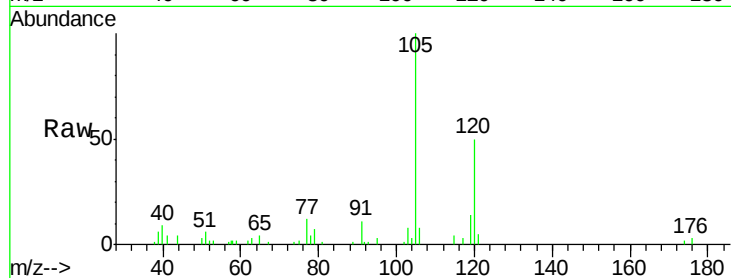
MW-4A

Tot Ion:105 Resp: 25231

Ion Ratio Lower Upper

105 100

120 49.1 24.7 74.1



#84

1,2,4-Trimethylbenzene

Concen: 5.529 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN056190.D

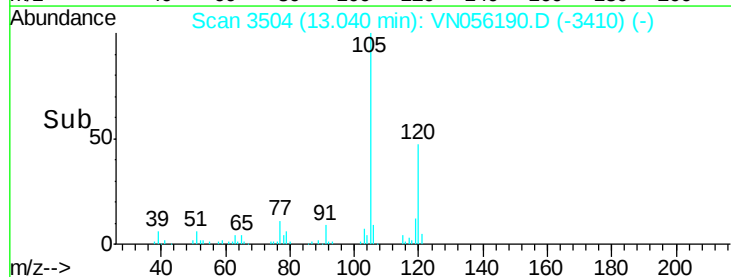
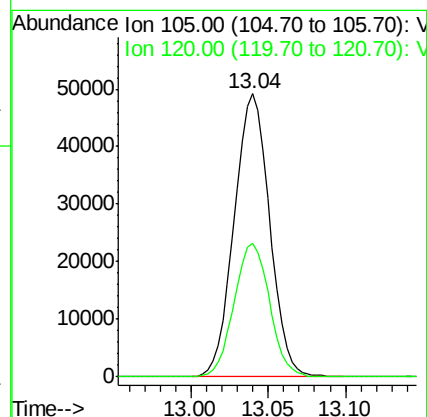
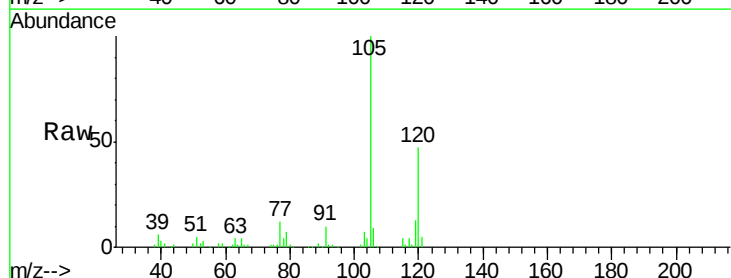
Acq: 11 Jun 2019 00:59

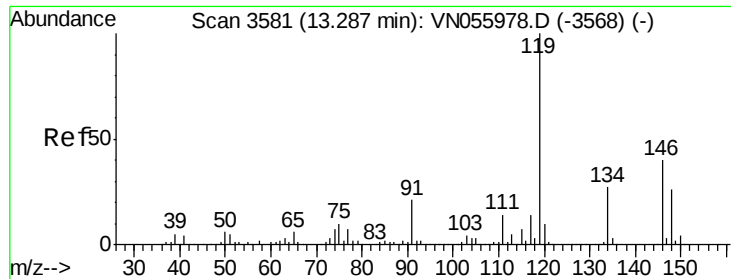
Tgt Ion:105 Resp: 78135

Ion Ratio Lower Upper

105 100

120 47.1 23.0 69.0

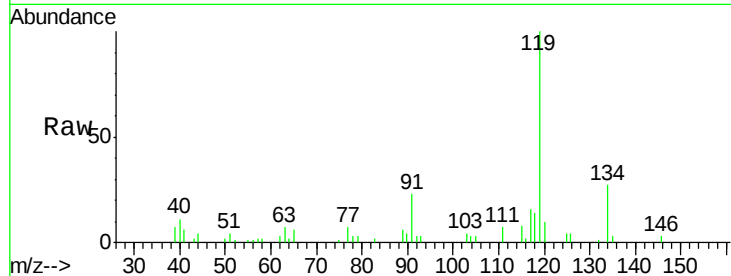




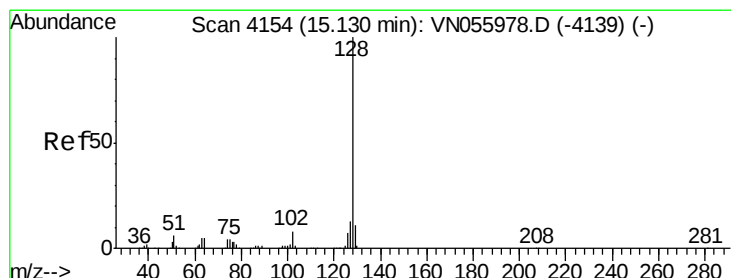
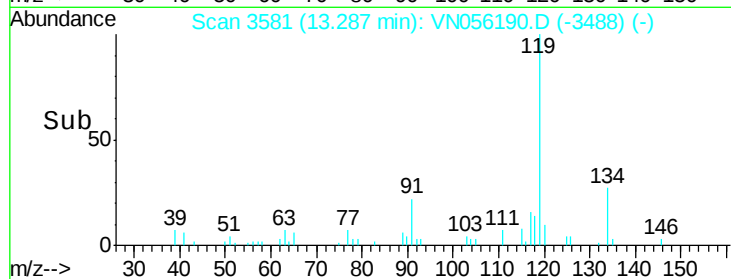
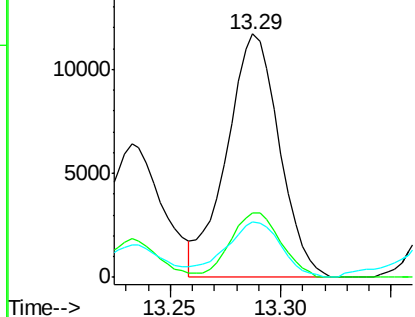
#86
p-Isopropyltoluene
Concen: 1.303 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN056190.D
Acq: 11 Jun 2019 00:59

Instrument :
MSVOA_N
ClientSampleId :
MW-4A

Tot Ion:119 Resp: 19369
Ion Ratio Lower Upper
119 100
134 25.3 13.4 40.1
91 24.2 10.9 32.9

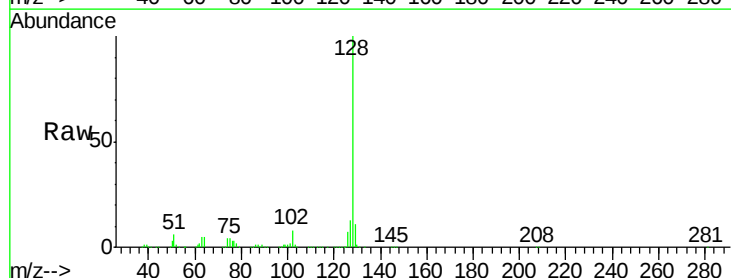


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



#95
Naphthalene
Concen: 141.459 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056190.D
Acq: 11 Jun 2019 00:59

Tgt Ion:128 Resp: 1580473
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.9 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

