

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056135.D
 Acq On : 8 Jun 2019 7:27
 Operator : JC/SP
 Sample : K3214-03 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4A

Quant Time: Jun 10 01:57:51 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

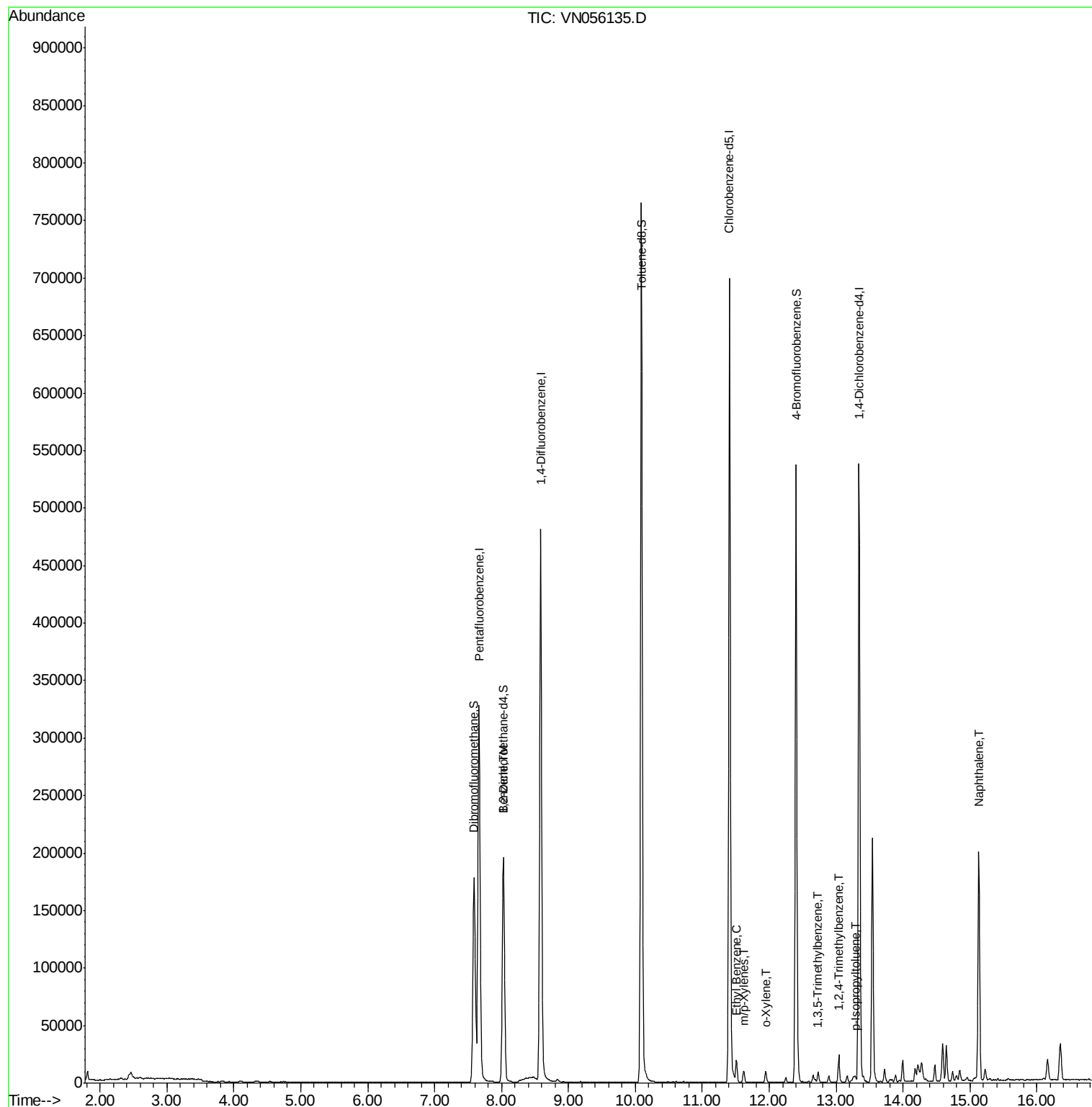
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	311148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	474721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	453207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	167039	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	154983	50.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.34%	
35) Dibromofluoromethane	7.59	113	136435	46.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.68%	
50) Toluene-d8	10.09	98	572114	51.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.40	95	189057	49.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.20%	
Target Compounds						
40) Benzene	8.04	78	16927	1.365	ug/l	92
67) Ethyl Benzene	11.51	91	15100	0.963	ug/l	97
68) m/p-Xylenes	11.62	106	3932	0.656	ug/l	99
69) o-Xylene	11.95	106	3035	0.515	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	4936	0.439	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	14413	1.353	ug/l	94
86) p-Isopropyltoluene	13.29	119	3449	0.308	ug/l	95
95) Naphthalene	15.13	128	186216	25.363	ug/l	99

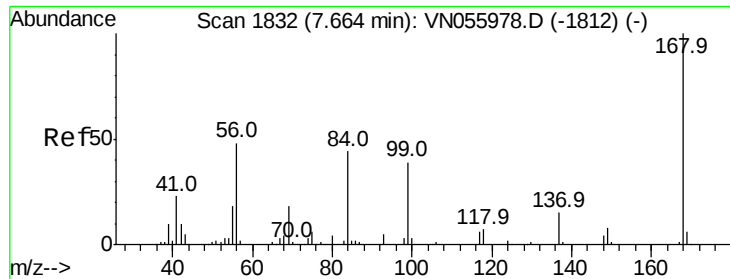
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
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: VN056135.D

Acq: 8 Jun 2019 7:27

Instrument :

MSVOA_N

ClientSampled :

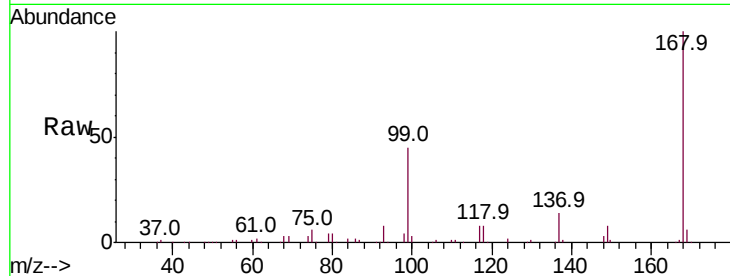
MW-4A

Tot Ion:168 Resp: 311148

Ion Ratio Lower Upper

168 100

99 44.9 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

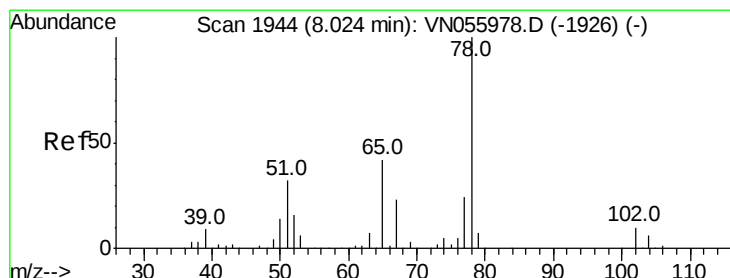
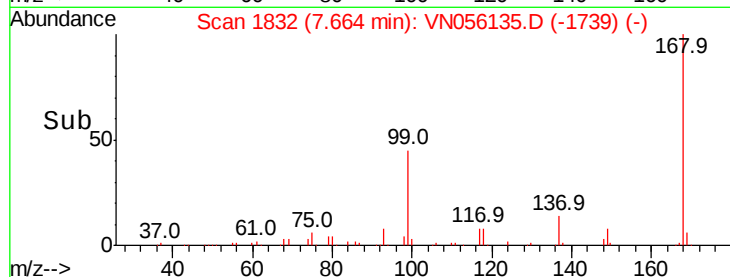
50000

0

Time-->

7.60

7.70



#33

1,2-Dichloroethane-d4

Concen: 50.165 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056135.D

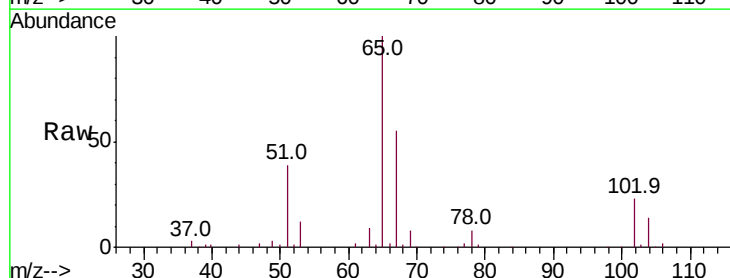
Acq: 8 Jun 2019 7:27

Tgt Ion: 65 Resp: 154983

Ion Ratio Lower Upper

65 100

67 54.9 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

60000

40000

20000

0

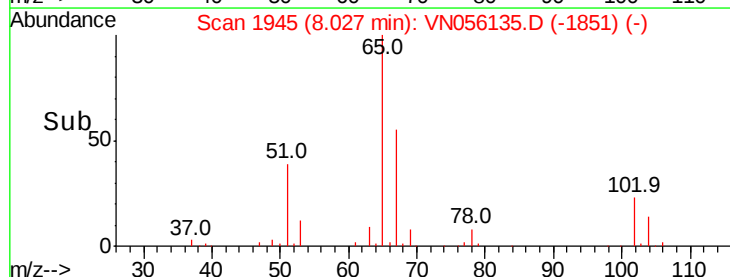
Time-->

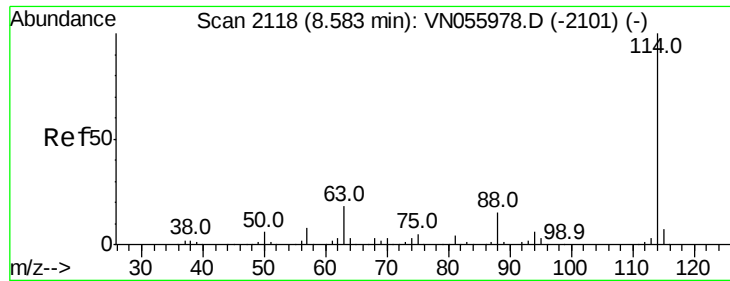
7.90

8.00

8.10

8.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN056135.D

Acq: 8 Jun 2019 7:27

Instrument :

MSVOA_N

ClientSampleId :

MW-4A

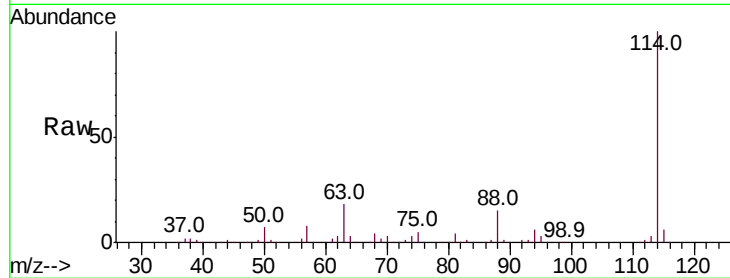
Tot Ion:114 Resp: 474721

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.2

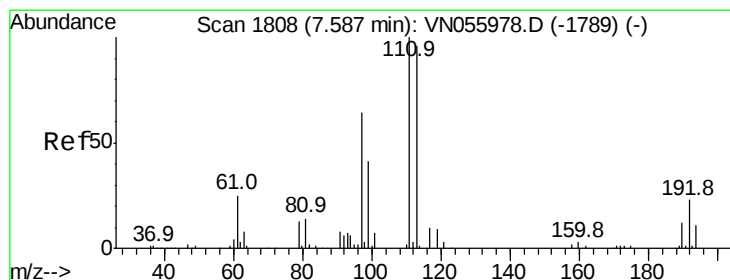
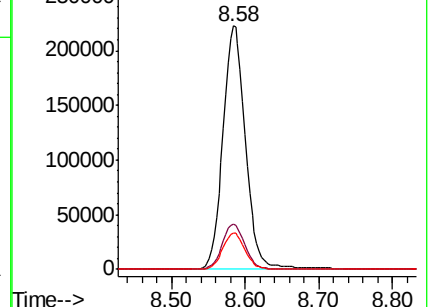
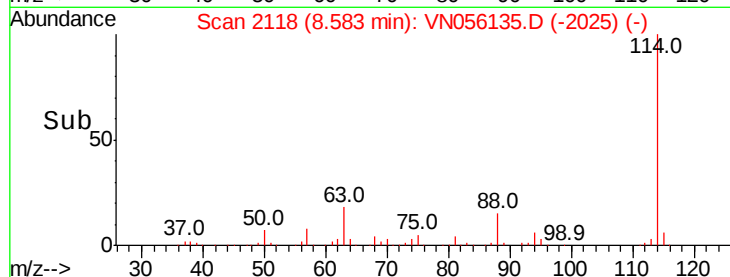
88 15.1 0.0 31.0



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: 46.844 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056135.D

Acq: 8 Jun 2019 7:27

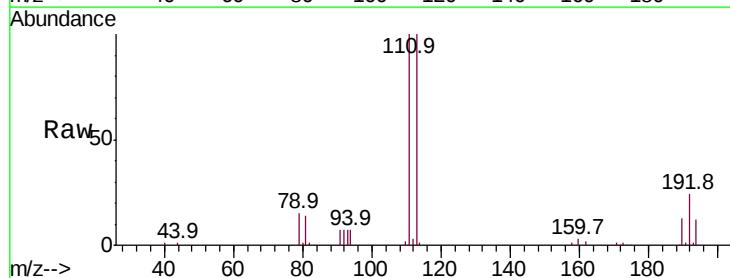
Tgt Ion:113 Resp: 136435

Ion Ratio Lower Upper

113 100

111 100.4 81.9 122.9

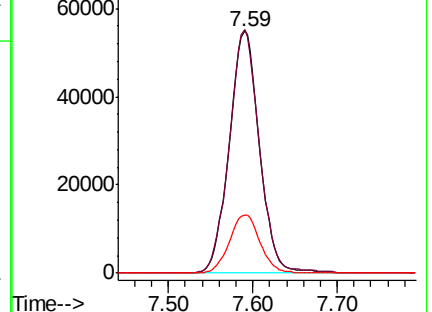
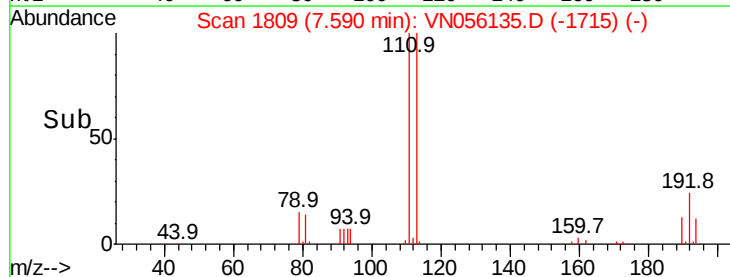
192 24.4 19.5 29.3

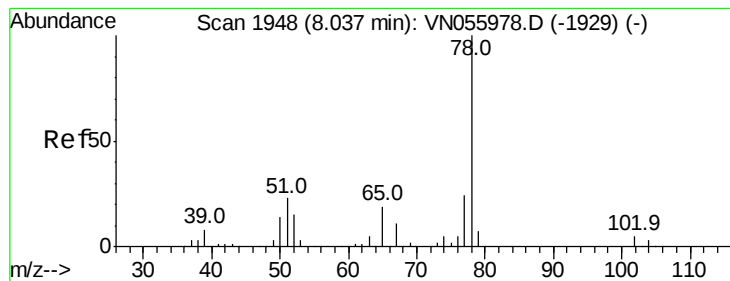


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.365 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN056135.D

Acq: 8 Jun 2019 7:27

Instrument :

MSVOA_N

ClientSampleId :

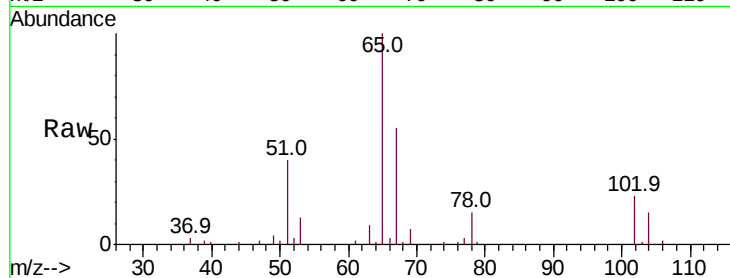
MW-4A

Tot Ion: 78 Resp: 16927

Ion Ratio Lower Upper

78 100

77 19.7 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.04

8000

6000

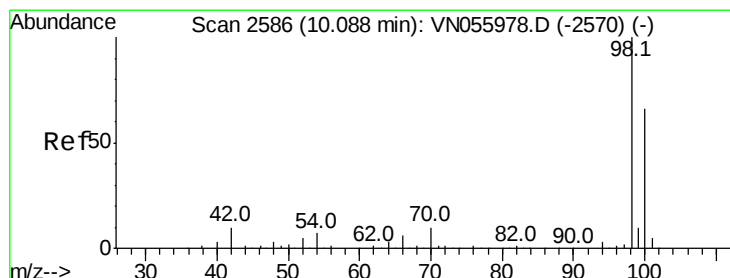
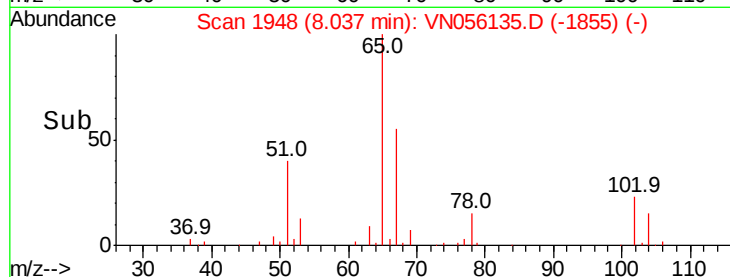
4000

2000

0

Time-->

7.95 8.00 8.05 8.10



#50

Toluene-d8

Concen: 51.047 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056135.D

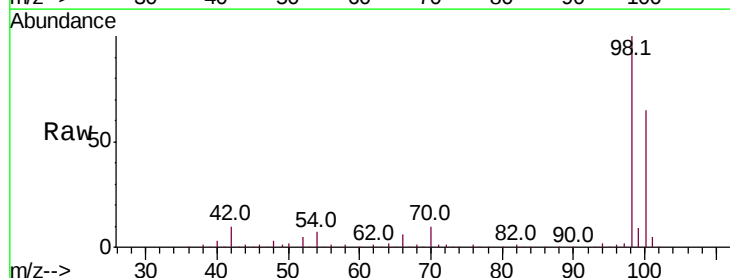
Acq: 8 Jun 2019 7:27

Tgt Ion: 98 Resp: 572114

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

10.09

300000

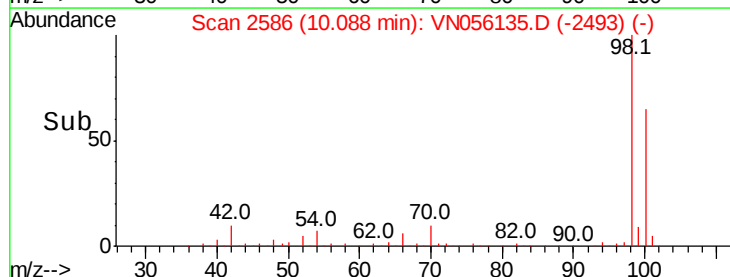
200000

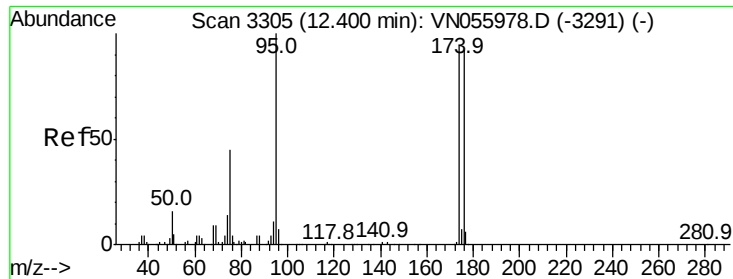
100000

0

Time-->

10.00 10.10 10.20





#62

4-Bromofluorobenzene

Concen: 49.603 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056135.D

Acq: 8 Jun 2019 7:27

Instrument :

MSVOA_N

ClientSampled :

MW-4A

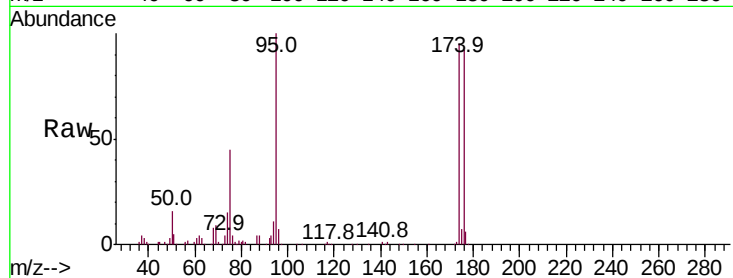
Tot Ion: 95 Resp: 189057

Ion Ratio Lower Upper

95 100

174 96.3 0.0 191.0

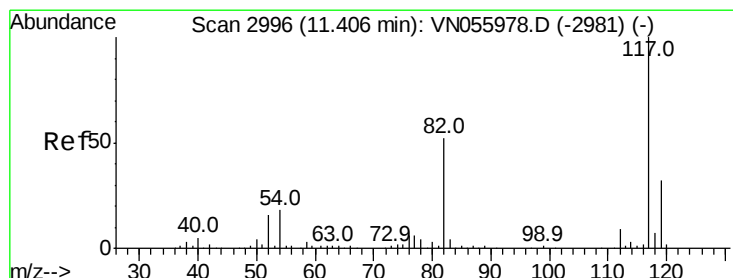
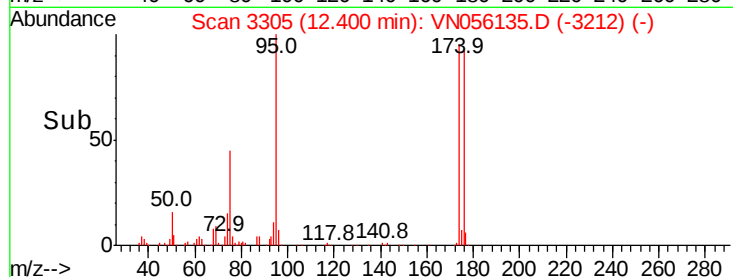
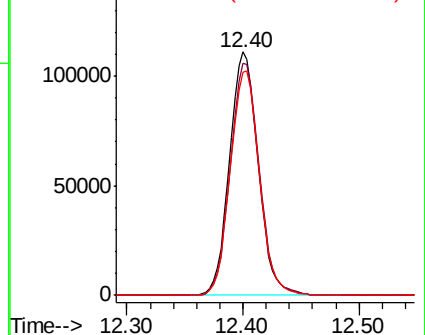
176 93.6 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056135.D

Acq: 8 Jun 2019 7:27

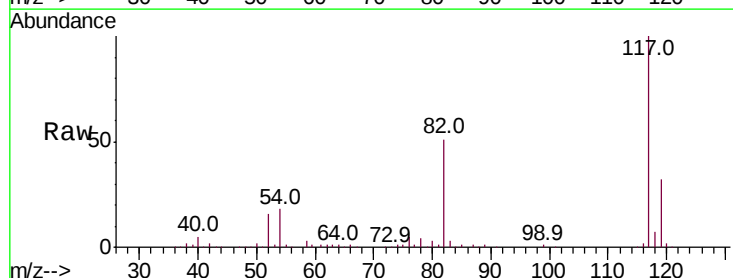
Tgt Ion: 117 Resp: 453207

Ion Ratio Lower Upper

117 100

82 51.4 41.8 62.8

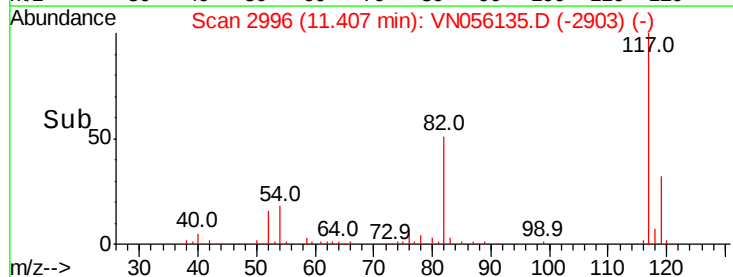
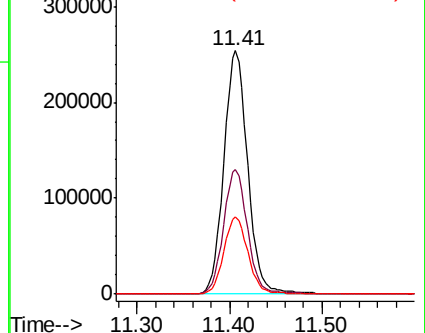
119 31.7 25.4 38.0

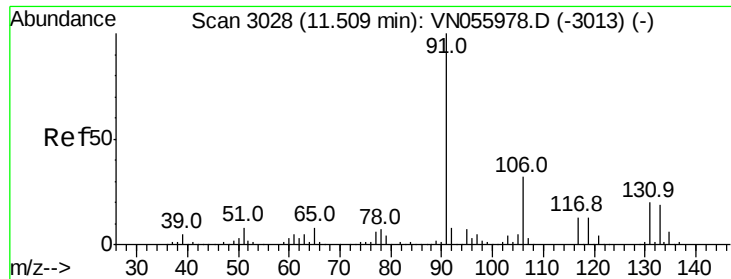


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

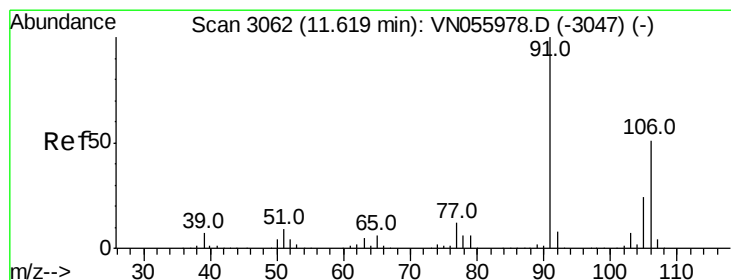
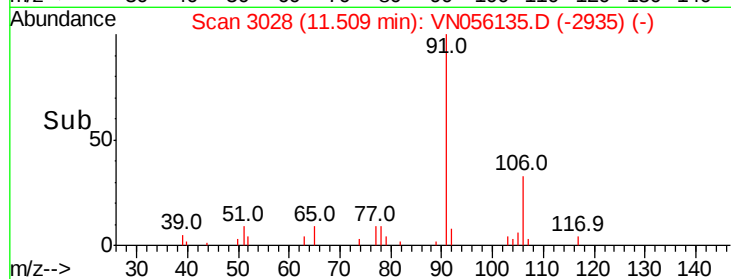
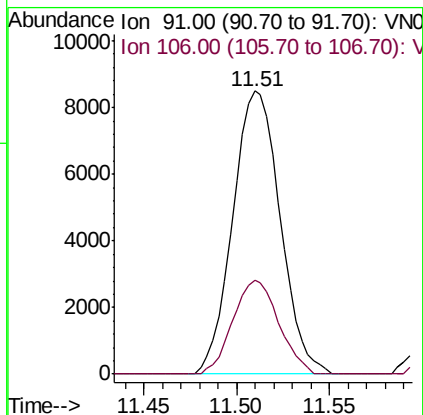
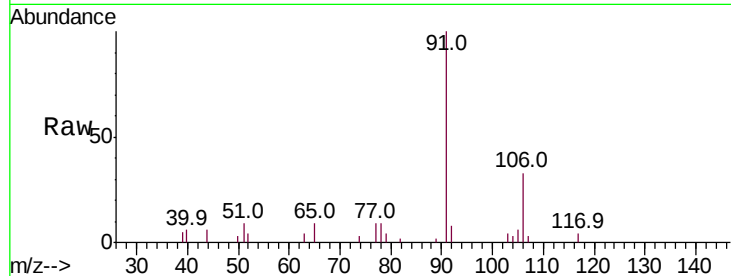




#67
Ethyl Benzene
Concen: 0.963 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056135.D
Acq: 8 Jun 2019 7:27

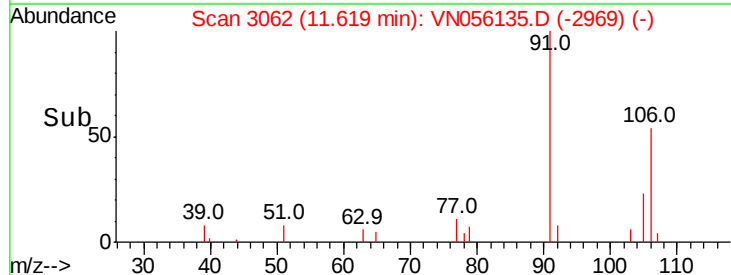
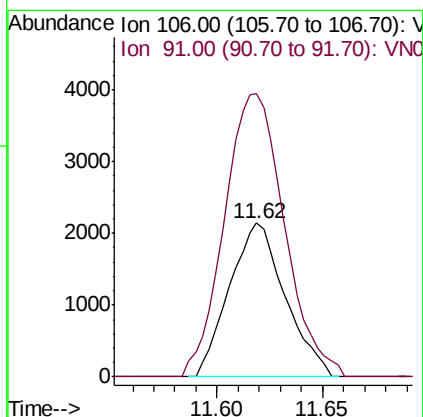
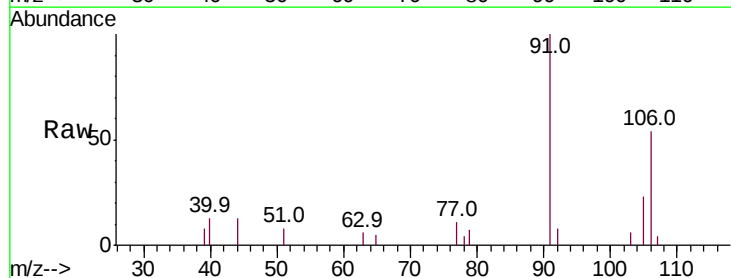
Instrument :
MSVOA_N
ClientSampled :
MW-4A

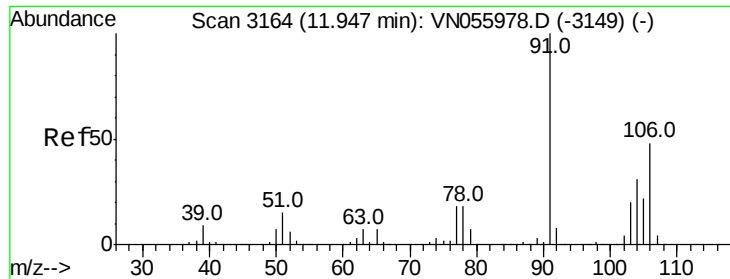
Tot Ion: 91 Resp: 15100
Ion Ratio Lower Upper
91 100
106 33.1 25.1 37.7



#68
m/p-Xylenes
Concen: 0.656 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056135.D
Acq: 8 Jun 2019 7:27

Tgt Ion: 106 Resp: 3932
Ion Ratio Lower Upper
106 100
91 198.2 159.3 238.9

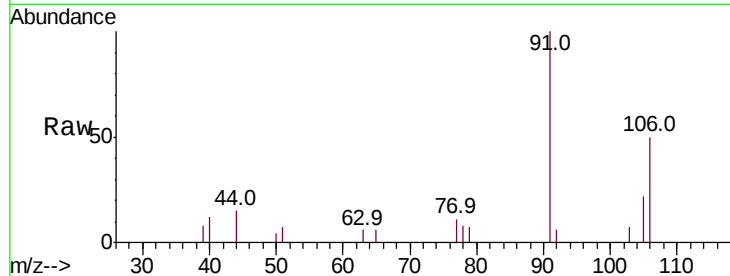




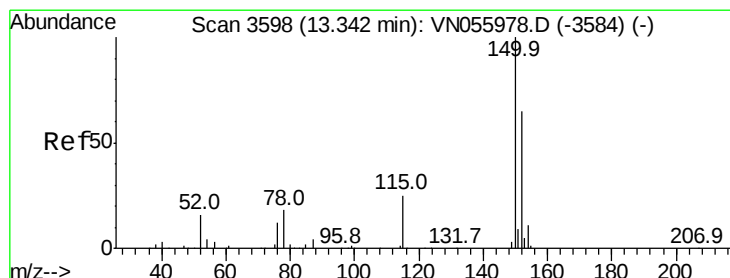
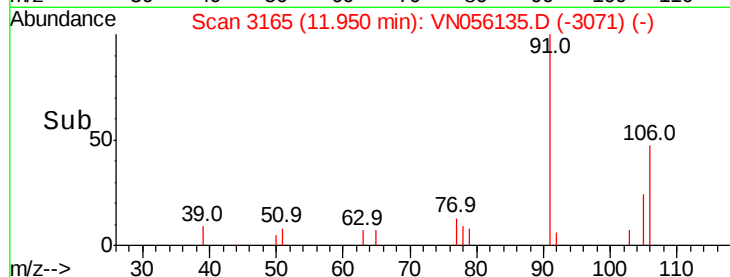
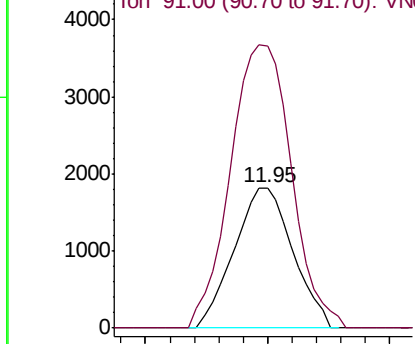
#69
o-Xylene
Concen: 0.515 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN056135.D
Acq: 8 Jun 2019 7:27

Instrument :
MSVOA_N
ClientSampled :
MW-4A

Tot Ion:106 Resp: 3035
Ion Ratio Lower Upper
106 100
91 210.0 104.7 314.1

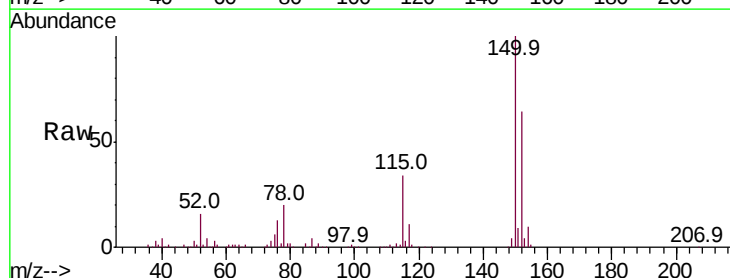


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

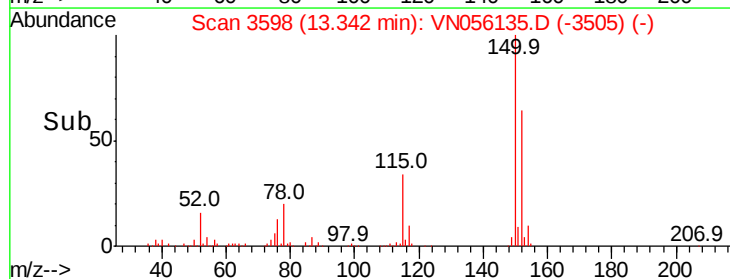
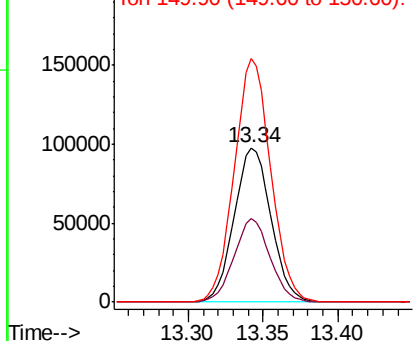


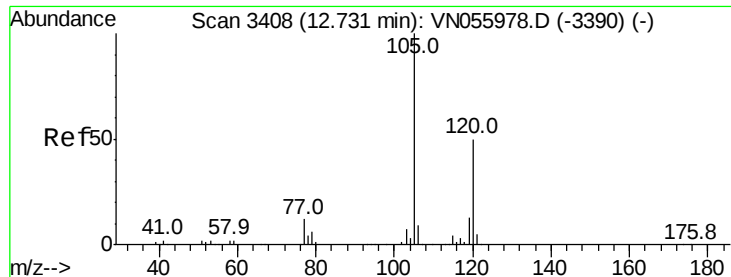
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056135.D
Acq: 8 Jun 2019 7:27

Tgt Ion:152 Resp: 167039
Ion Ratio Lower Upper
152 100
115 53.0 27.0 81.0
150 156.5 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





#80

1,3,5-Trimethylbenzene

Concen: 0.439 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056135.D

Acq: 8 Jun 2019 7:27

Instrument :

MSVOA_N

ClientSampled :

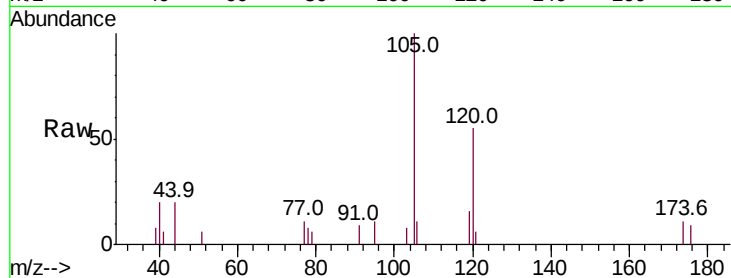
MW-4A

Tot Ion:105 Resp: 4936

Ion Ratio Lower Upper

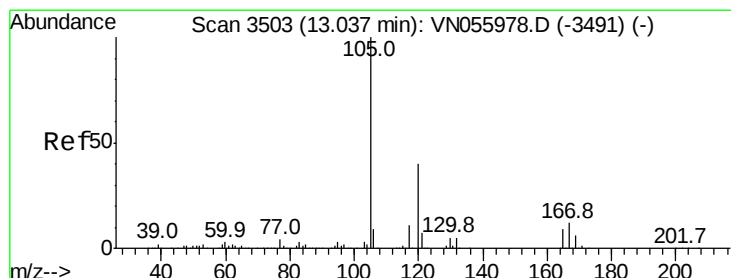
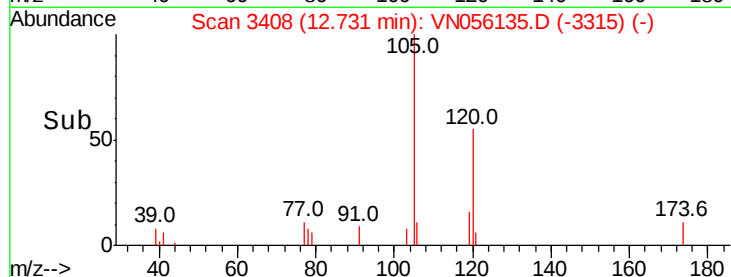
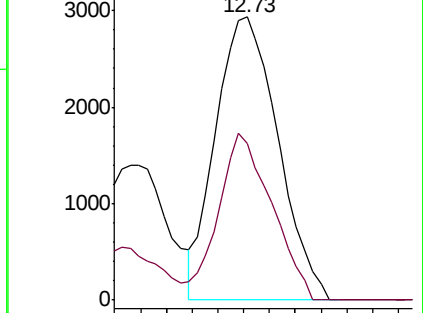
105 100

120 50.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.353 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN056135.D

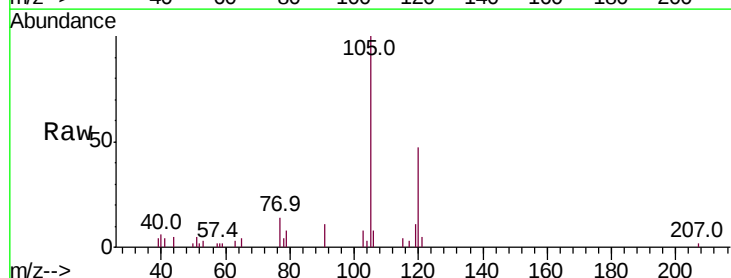
Acq: 8 Jun 2019 7:27

Tgt Ion:105 Resp: 14413

Ion Ratio Lower Upper

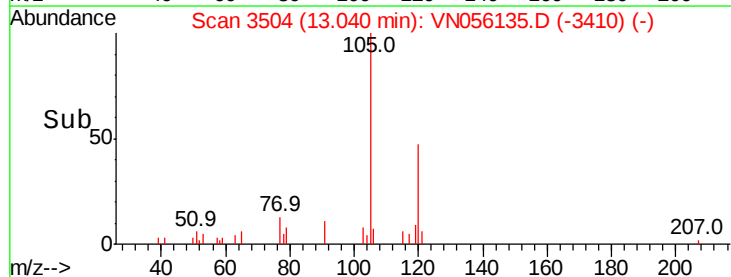
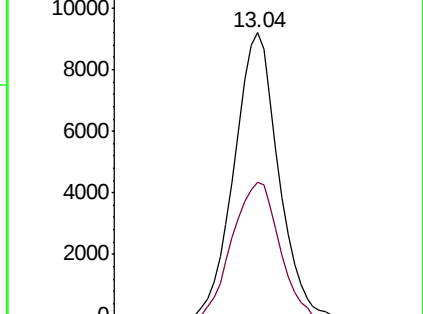
105 100

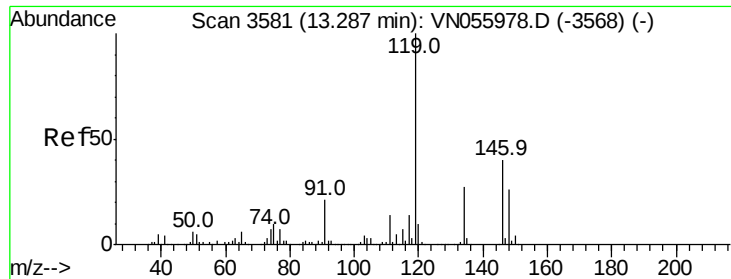
120 49.7 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

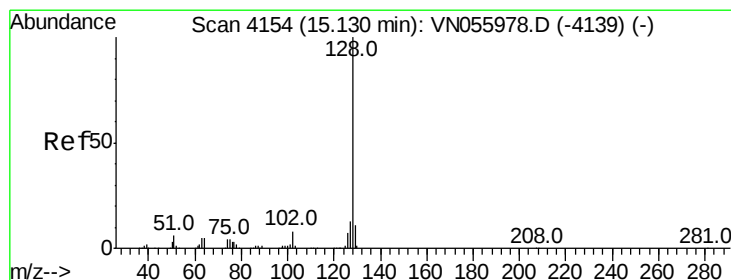
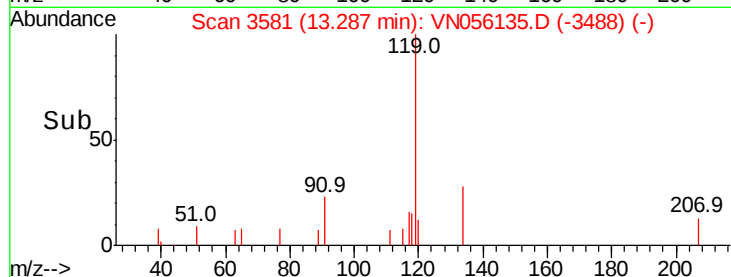
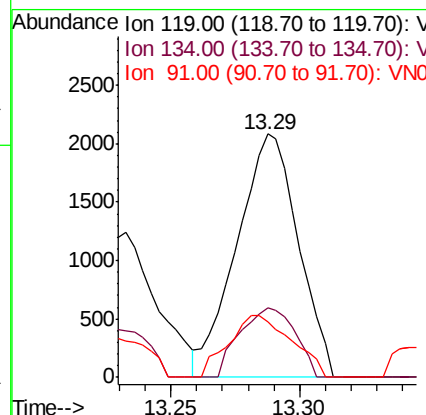
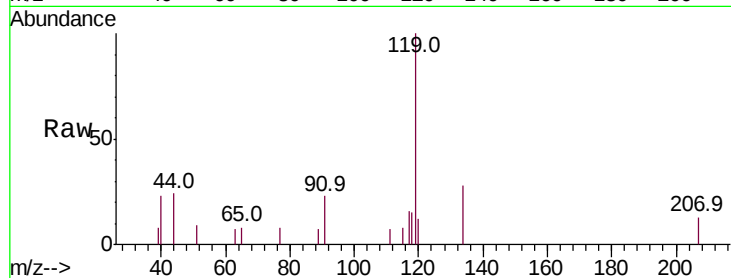




#86
p-Isopropyltoluene
Concen: 0.308 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN056135.D
Acq: 8 Jun 2019 7:27

Instrument :
MSVOA_N
ClientSampleId :
MW-4A

Tot Ion:119 Resp: 3449
Ion Ratio Lower Upper
119 100
134 25.5 13.4 40.1
91 26.0 10.9 32.9



#95
Naphthalene
Concen: 25.363 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056135.D
Acq: 8 Jun 2019 7:27

Tgt Ion:128 Resp: 186216
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.5 8.7 13.1

