

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022719\
 Data File : VN053985.D
 Acq On : 27 Feb 2019 22:51
 Operator : JC/SP
 Sample : K1632-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 50153

Quant Time: Feb 28 07:57:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	609691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1129233	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1085046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	410935	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	397596	55.63	ug/l	0.00
Spiked Amount						
			Recovery	=	111.26%	
35) Dibromofluoromethane	7.59	113	364110	49.86	ug/l	0.00
Spiked Amount						
			Recovery	=	99.72%	
50) Toluene-d8	10.09	98	1434367	52.77	ug/l	0.00
Spiked Amount						
			Recovery	=	105.54%	
62) 4-Bromofluorobenzene	12.40	95	471332	52.04	ug/l	0.00
Spiked Amount						
			Recovery	=	104.08%	

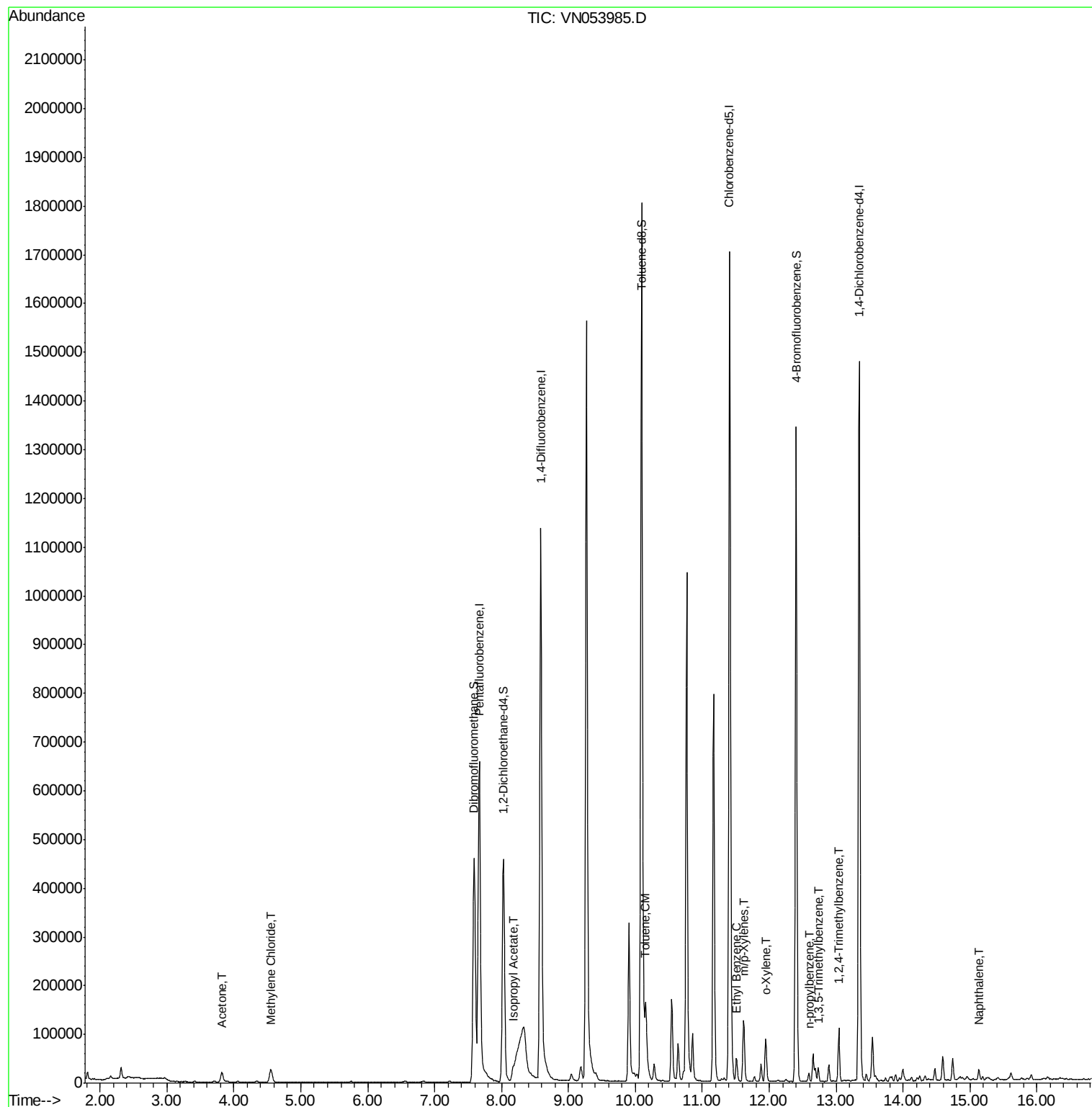
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	34800	6.555	ug/l #	87
20) Methylene Chloride	4.55	84	18755	2.651	ug/l	94
43) Isopropyl Acetate	8.17	43	33919	2.679	ug/l #	90
52) Toluene	10.16	92	52368	2.757	ug/l	98
67) Ethyl Benzene	11.51	91	36141	0.941	ug/l	97
68) m/p-Xylenes	11.62	106	41036	2.832	ug/l	95
69) o-Xylene	11.95	106	24376	1.712	ug/l	92
78) n-propylbenzene	12.59	91	13694	0.376	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	12699	0.485	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	64029	2.449	ug/l	95
95) Naphthalene	15.13	128	17679	4.229	ug/l	97

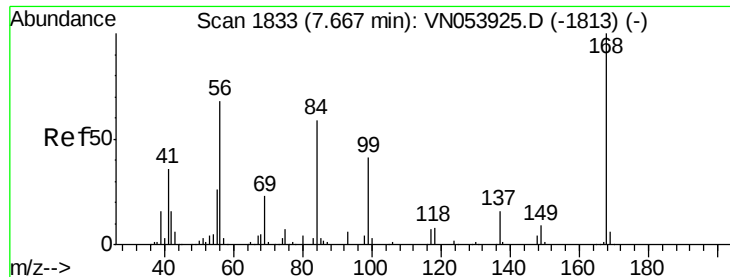
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053985.D

Acq: 27 Feb 2019 22:51

Instrument :

MSVOA_N

ClientSampled :

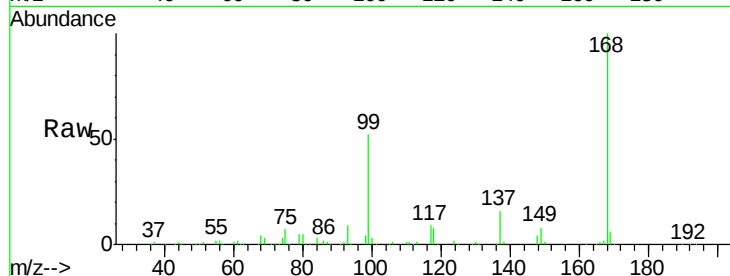
50153

Tot Ion:168 Resp: 609691

Ion Ratio Lower Upper

168 100

99 51.6 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): VN053925.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN053925.D (-1813) (-)

7.67

250000

200000

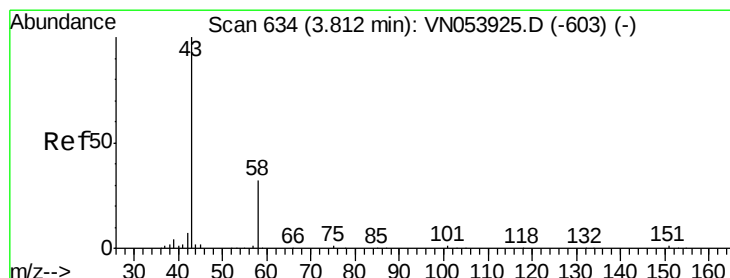
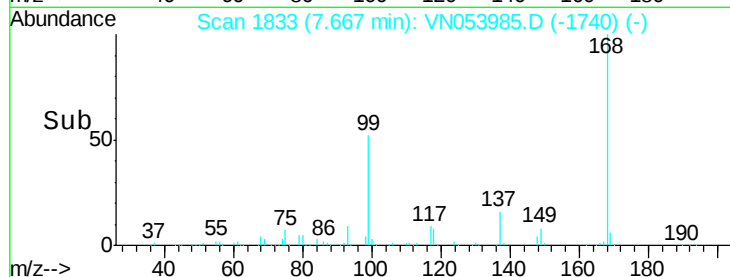
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 6.555 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053985.D

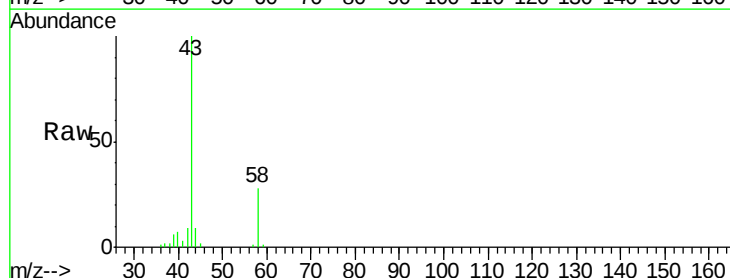
Acq: 27 Feb 2019 22:51

Tgt Ion: 43 Resp: 34800

Ion Ratio Lower Upper

43 100

58 26.8 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053925.D (-603) (-)

3.82

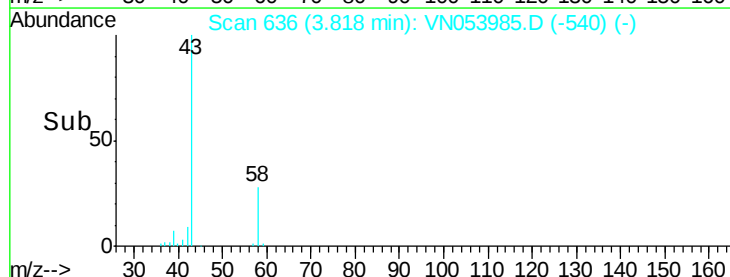
15000

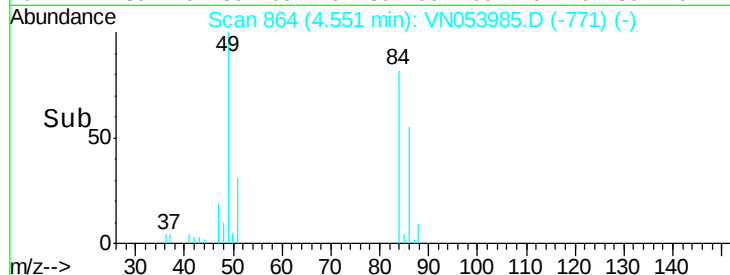
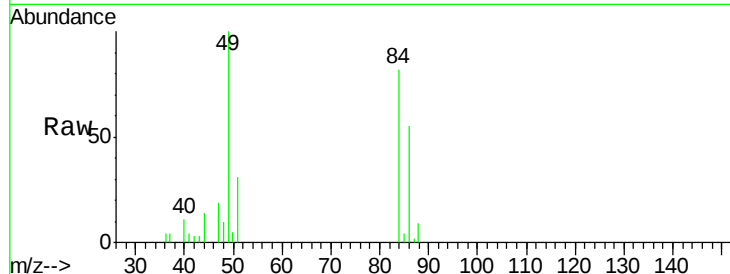
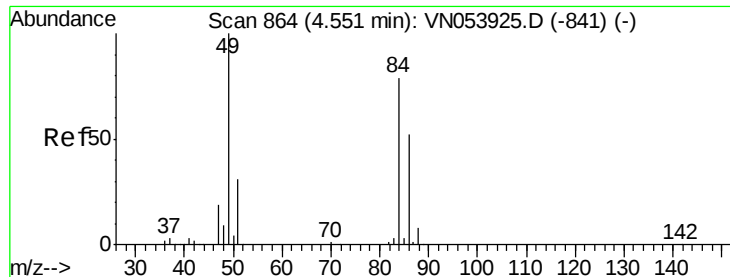
10000

5000

0

Time--> 3.75 3.80 3.85 3.90

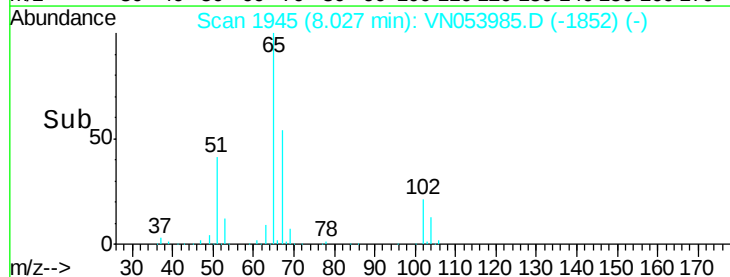
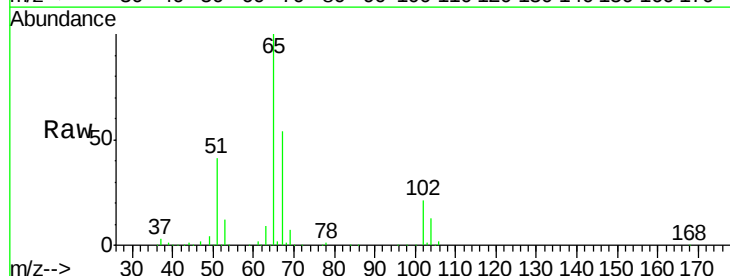
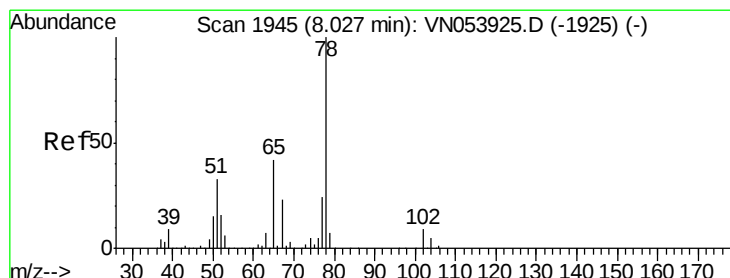
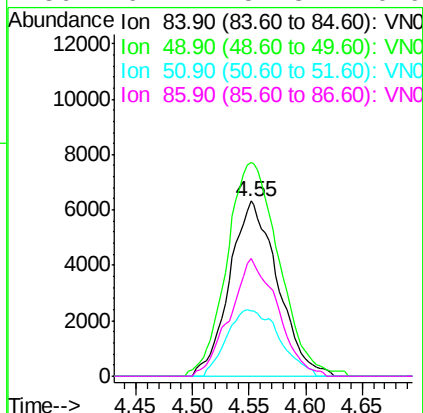




#20
Methvlene Chloride
Concen: 2.651 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053985.D
Acq: 27 Feb 2019 22:51

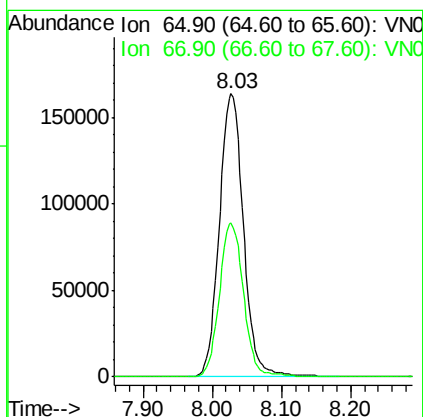
Instrument :
MSVOA_N
ClientSampleId :
50153

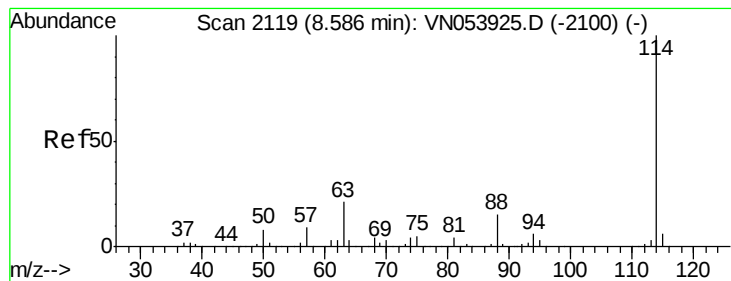
Tot Ion:	84	Resp:	18755
Ion	Ratio	Lower	Upper
84	100		
49	119.3	89.7	134.5
51	37.4	27.8	41.8
86	67.4	51.3	76.9



#33
1,2-Dichloroethane-d4
Concen: 55.632 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053985.D
Acq: 27 Feb 2019 22:51

Tgt Ion:	65	Resp:	397596
Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	111.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053985.D

Acq: 27 Feb 2019 22:51

Instrument :

MSVOA_N

ClientSampleId :

50153

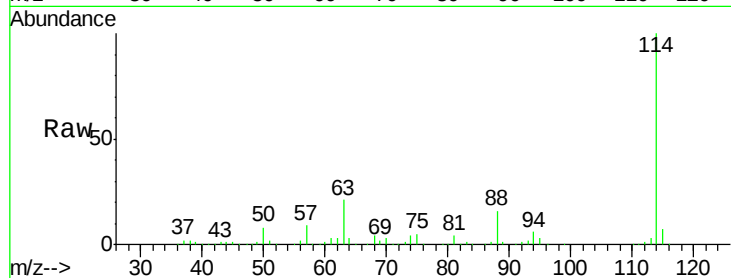
Tot Ion:114 Resp: 1129233

Ion Ratio Lower Upper

114 100

63 21.3 0.0 37.4

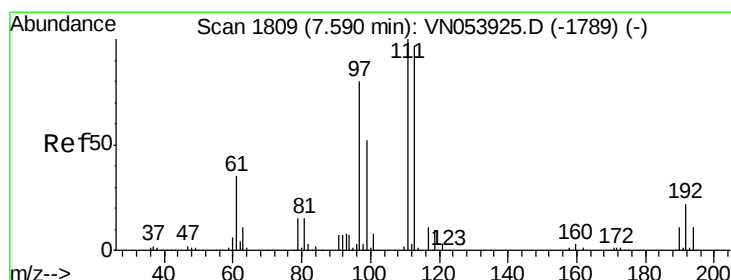
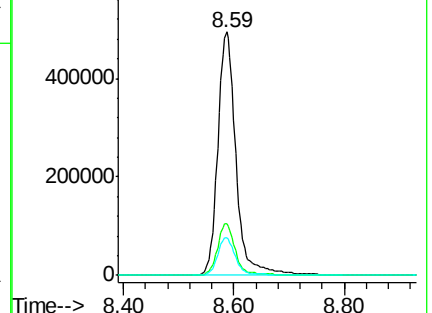
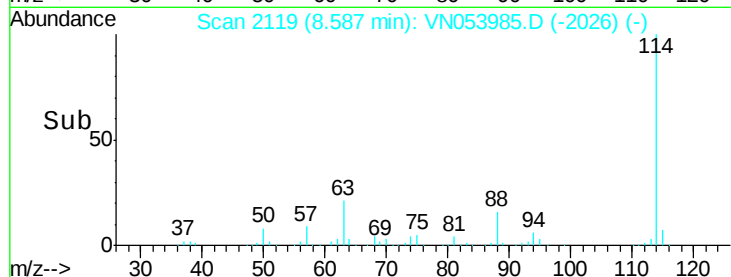
88 15.6 0.0 30.4



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: 49.863 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053985.D

Acq: 27 Feb 2019 22:51

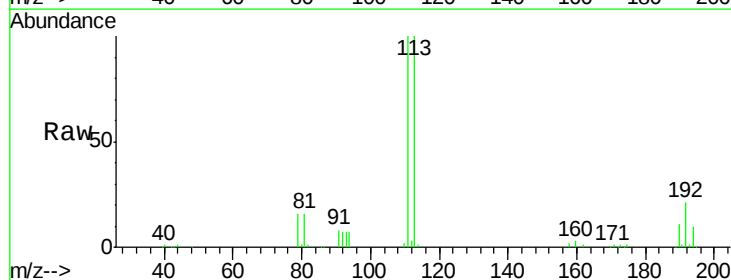
Tgt Ion:113 Resp: 364110

Ion Ratio Lower Upper

113 100

111 101.9 81.1 121.7

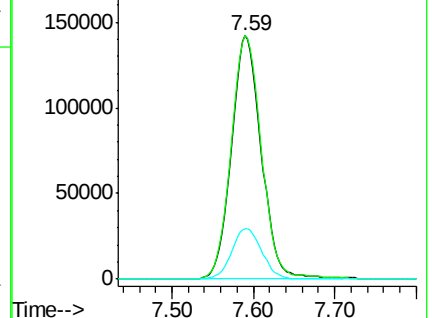
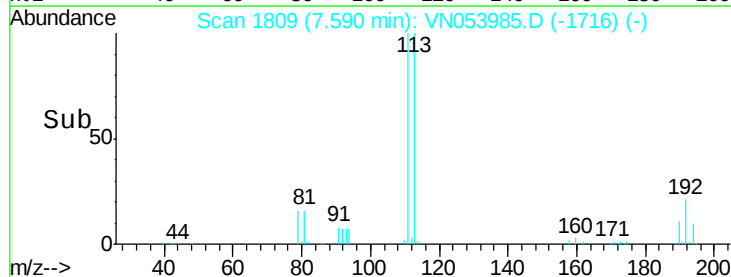
192 20.9 18.8 28.2

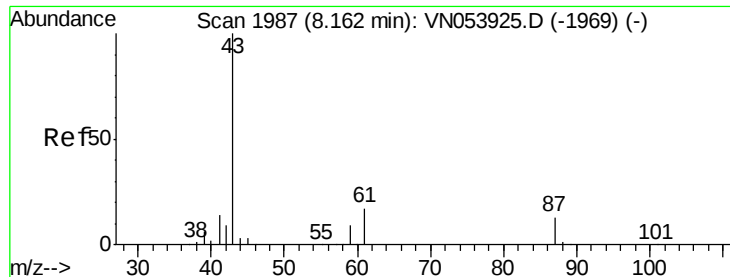


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 2.679 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN053985.D

Acq: 27 Feb 2019 22:51

Instrument :

MSVOA_N

ClientSampleId :

50153

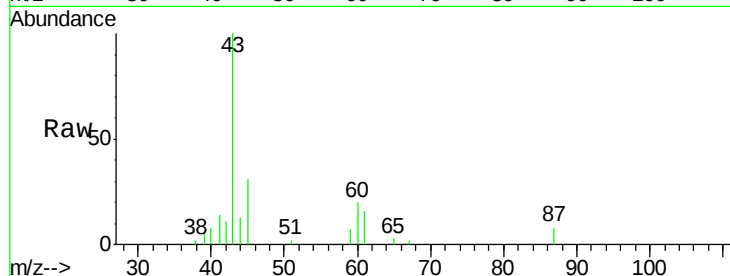
Tot Ion: 43 Resp: 33919

Ion Ratio Lower Upper

43 100

61 17.5 17.4 26.0

87 9.1 11.5 17.3#

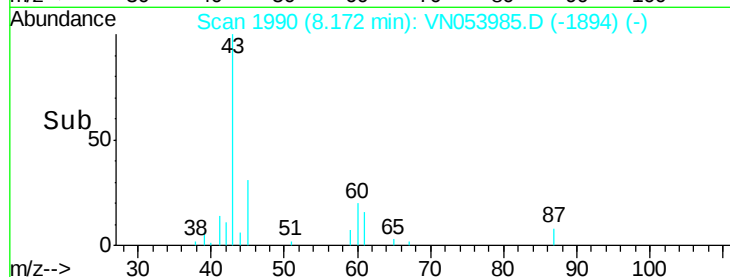


Abundance Ion 43.00 (42.70 to 43.70): VN053985.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053985.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053985.D (-1894) (-)

Time-->



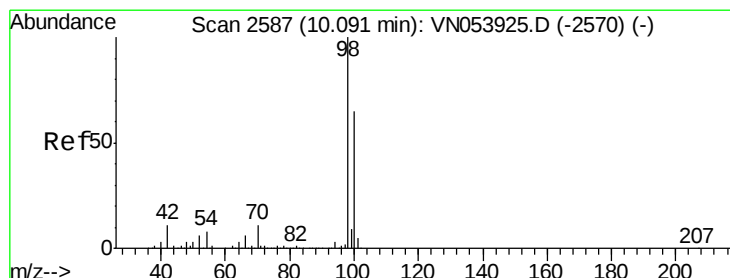
Abundance

Ion 43.00 (42.70 to 43.70): VN053985.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053985.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053985.D (-1894) (-)

Time-->



#50

Toluene-d8

Concen: 52.767 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053985.D

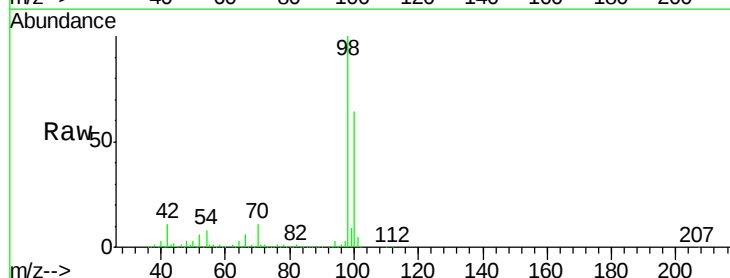
Acq: 27 Feb 2019 22:51

Tgt Ion: 98 Resp: 1434367

Ion Ratio Lower Upper

98 100

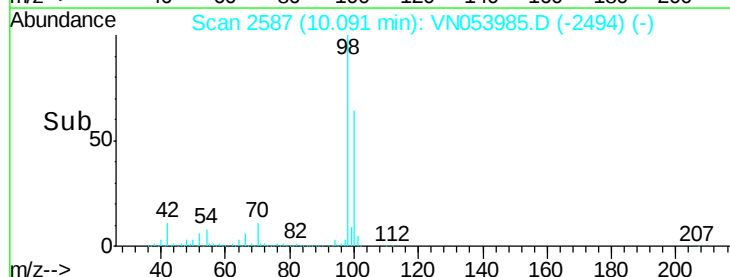
100 63.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN053985.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053985.D (-2494) (-)

Time-->

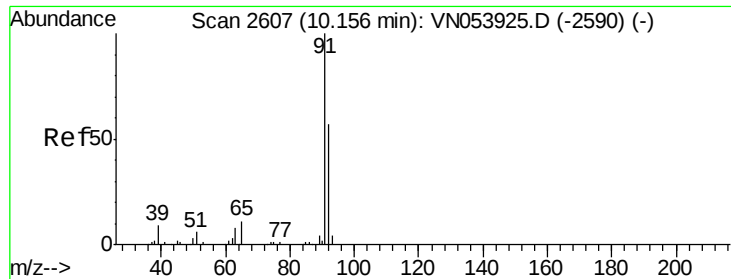


Abundance

Ion 98.00 (97.70 to 98.70): VN053985.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053985.D (-2494) (-)

Time-->



#52

Toluene

Concen: 2.757 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053985.D

Acq: 27 Feb 2019 22:51

Instrument :

MSVOA_N

ClientSampled :

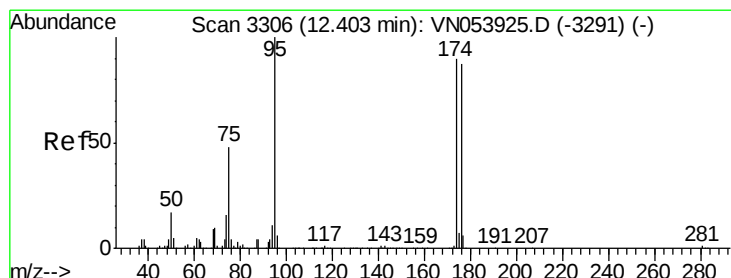
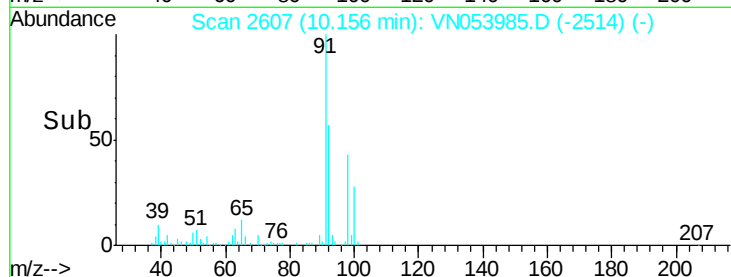
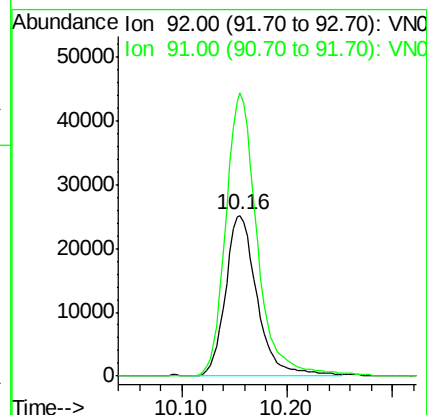
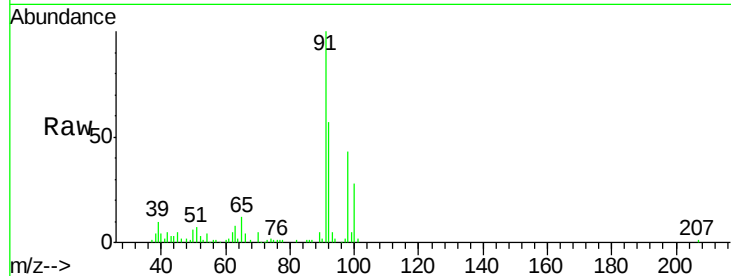
50153

Tot Ion: 92 Resp: 52368

Ion Ratio Lower Upper

92 100

91 175.1 138.4 207.6



#62

4-Bromofluorobenzene

Concen: 52.043 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053985.D

Acq: 27 Feb 2019 22:51

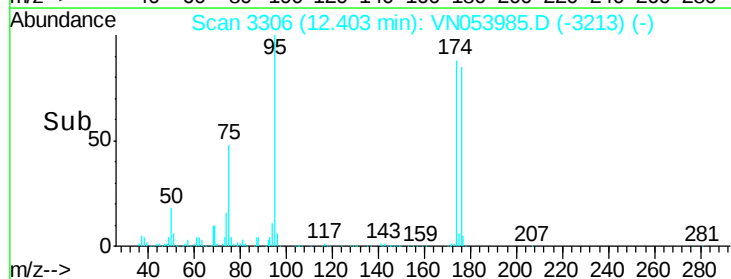
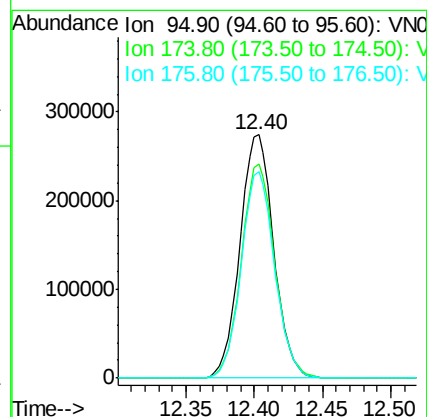
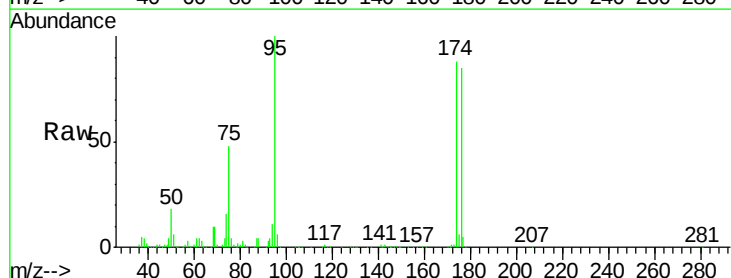
Tgt Ion: 95 Resp: 471332

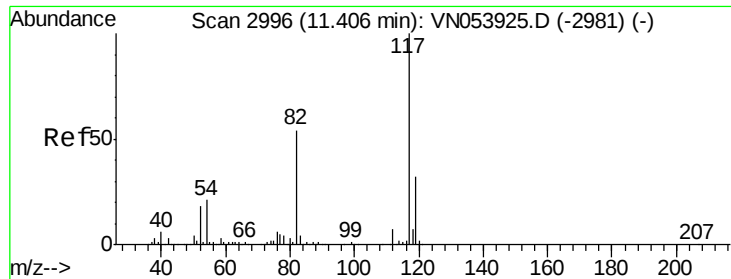
Ion Ratio Lower Upper

95 100

174 87.2 0.0 188.8

176 84.0 0.0 182.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053985.D

Acq: 27 Feb 2019 22:51

Instrument :

MSVOA_N

ClientSampled :

50153

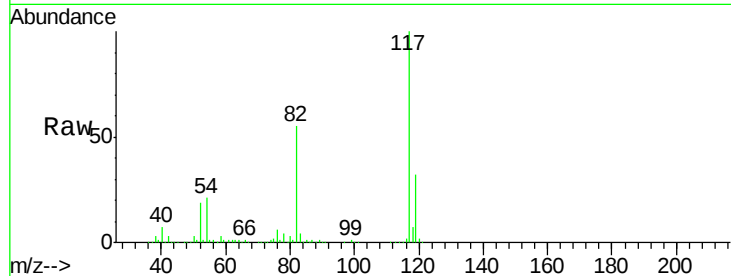
Tot Ion:117 Resp: 1085046

Ion Ratio Lower Upper

117 100

82 54.8 41.4 62.2

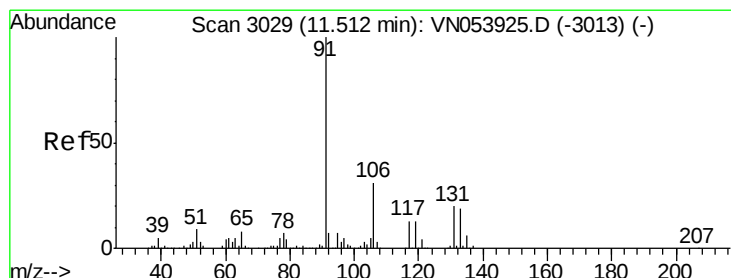
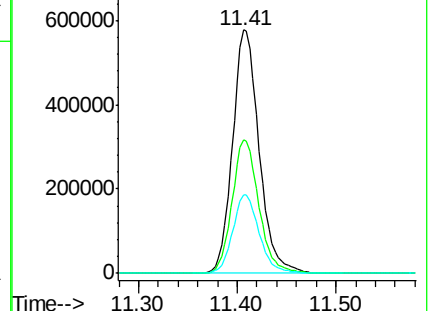
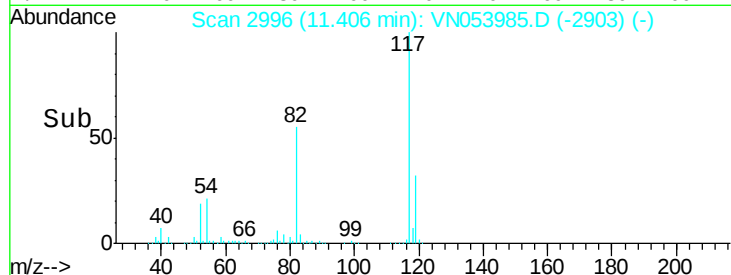
119 32.3 25.3 37.9



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: 0.941 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053985.D

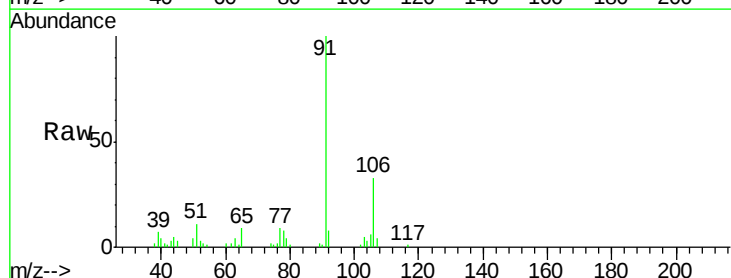
Acq: 27 Feb 2019 22:51

Tgt Ion: 91 Resp: 36141

Ion Ratio Lower Upper

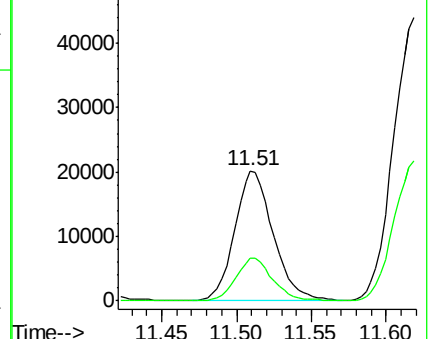
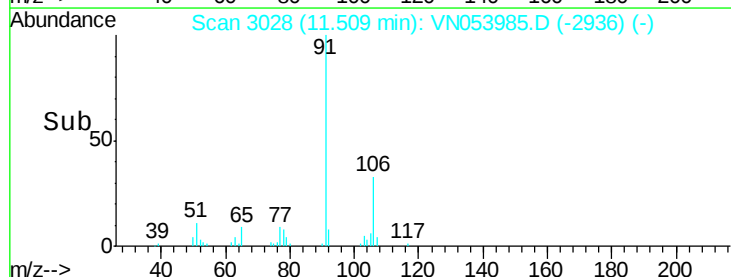
91 100

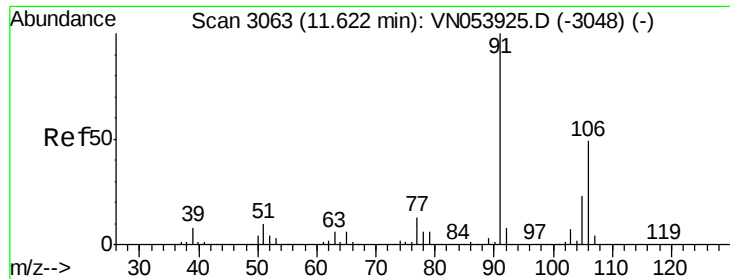
106 32.9 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

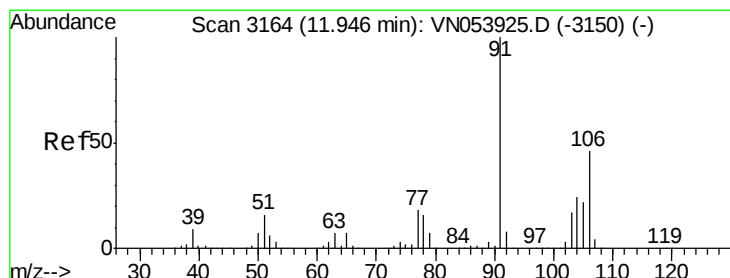
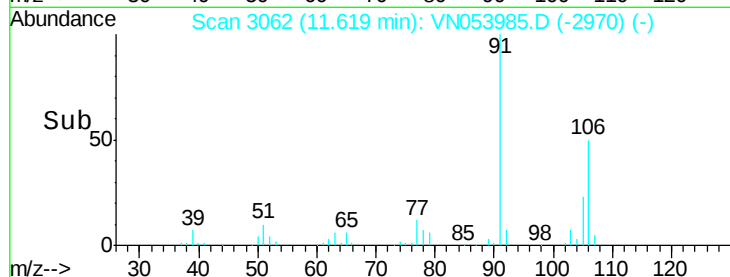
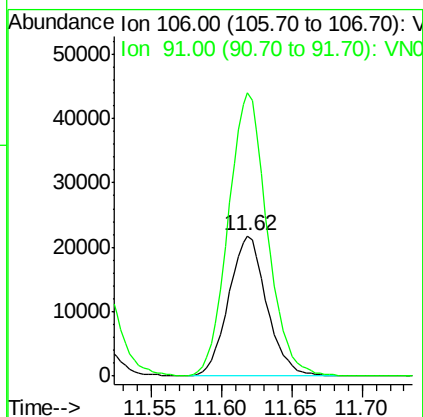
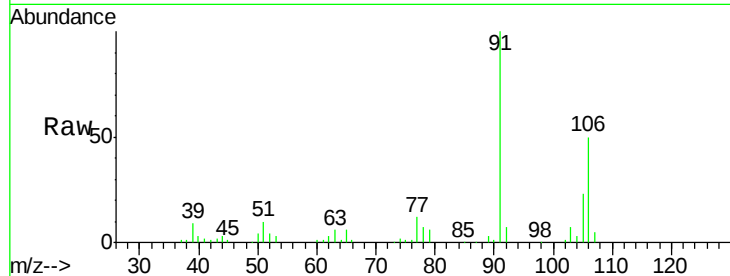




#68
m/p-Xvlenes
Concen: 2.832 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053985.D
Acq: 27 Feb 2019 22:51

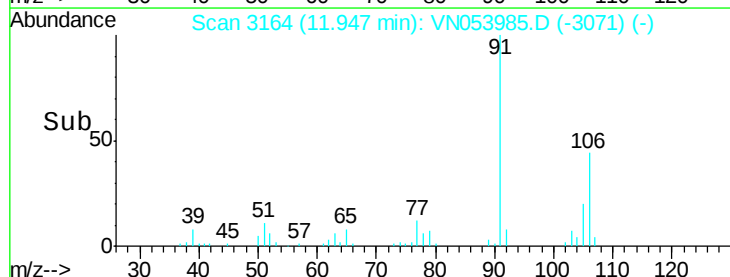
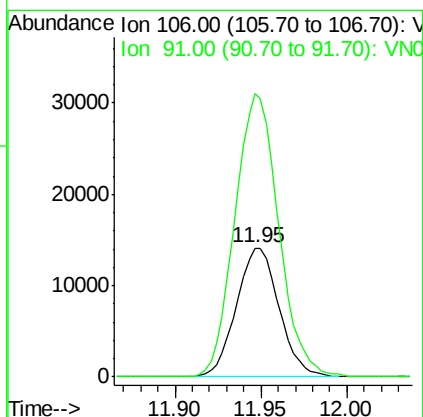
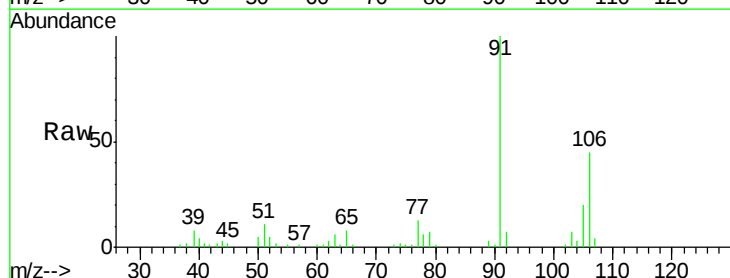
Instrument :
MSVOA_N
ClientSampled :
50153

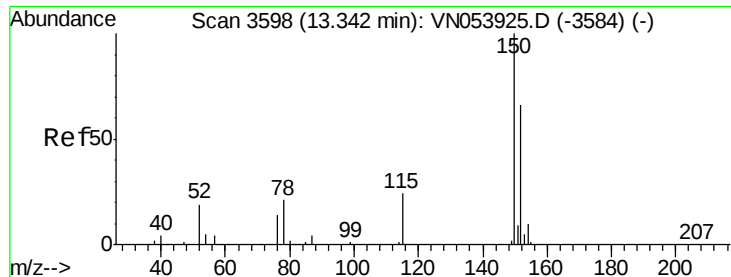
Tot Ion:106 Resp: 41036
Ion Ratio Lower Upper
106 100
91 206.5 158.9 238.3



#69
o-Xylene
Concen: 1.712 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053985.D
Acq: 27 Feb 2019 22:51

Tgt Ion:106 Resp: 24376
Ion Ratio Lower Upper
106 100
91 225.2 106.0 318.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053985.D

Acq: 27 Feb 2019 22:51

Instrument :

MSVOA_N

ClientSampled :

50153

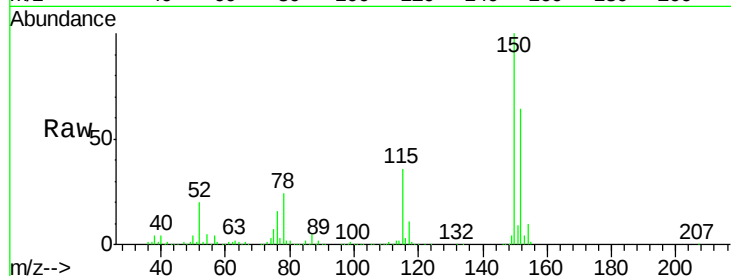
Tot Ion:152 Resp: 410935

Ion Ratio Lower Upper

152 100

115 57.3 27.2 81.6

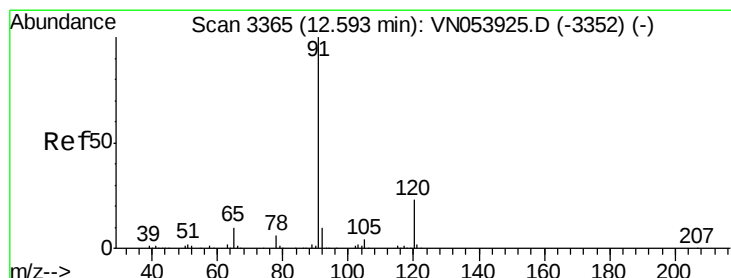
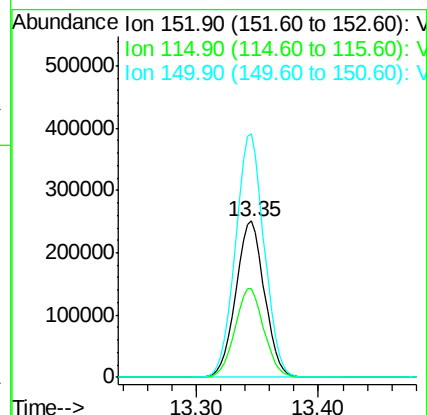
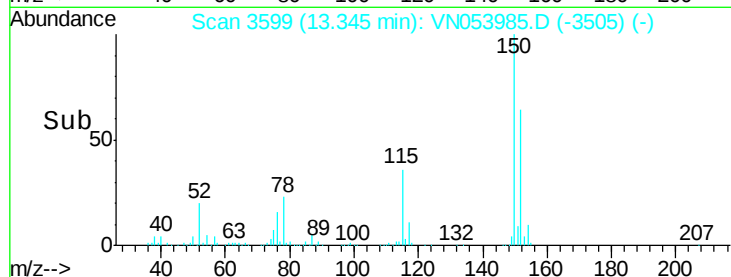
150 155.5 0.0 348.2



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: 0.376 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053985.D

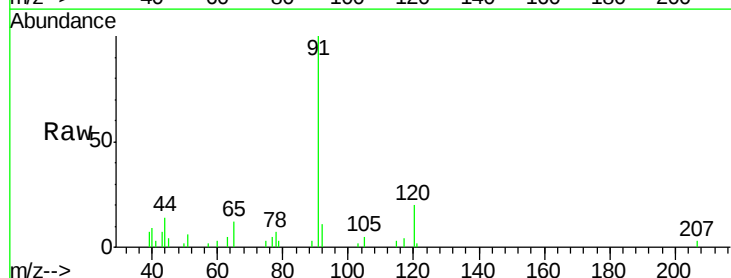
Acq: 27 Feb 2019 22:51

Tgt Ion: 91 Resp: 13694

Ion Ratio Lower Upper

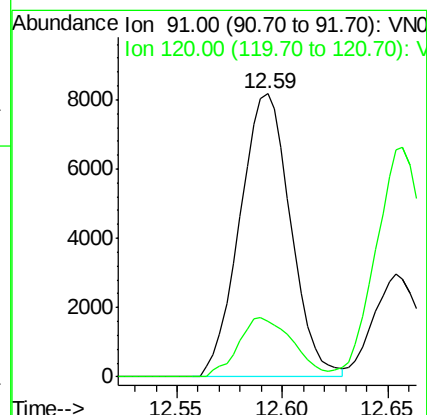
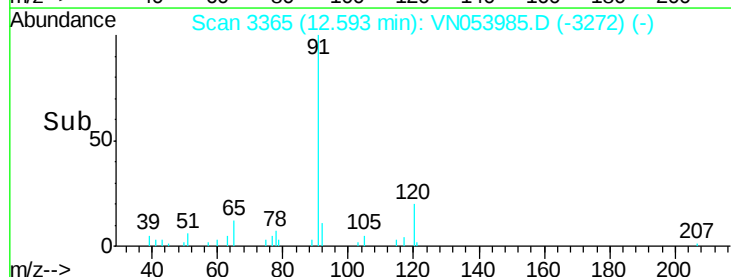
91 100

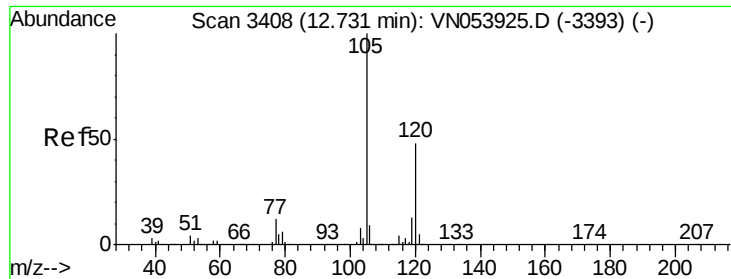
120 22.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

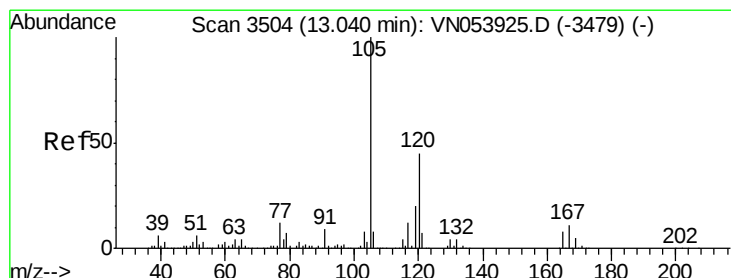
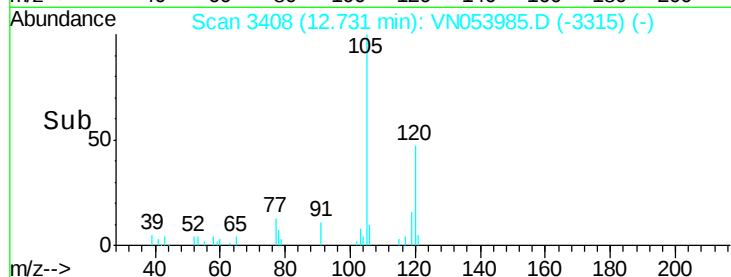
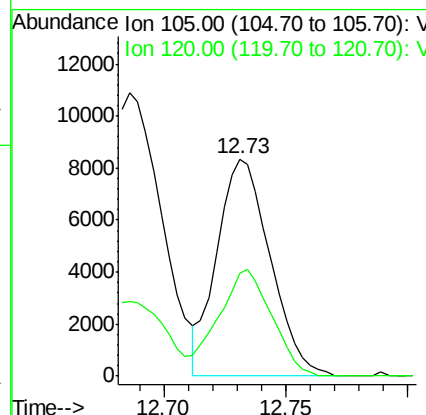
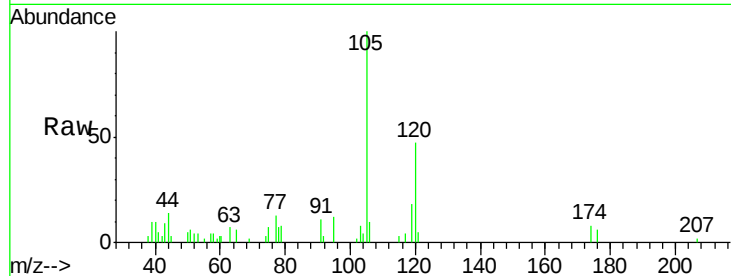




#80
 1,3,5-Trimethylbenzene
 Concen: 0.485 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN053985.D
 Acq: 27 Feb 2019 22:51

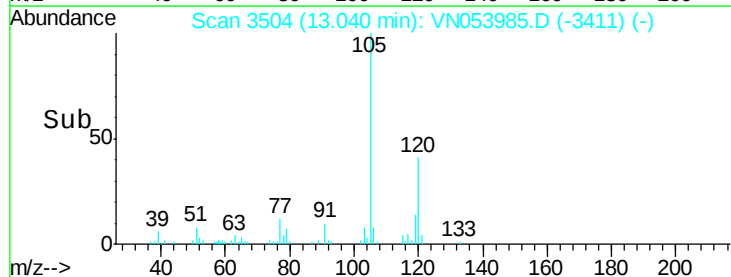
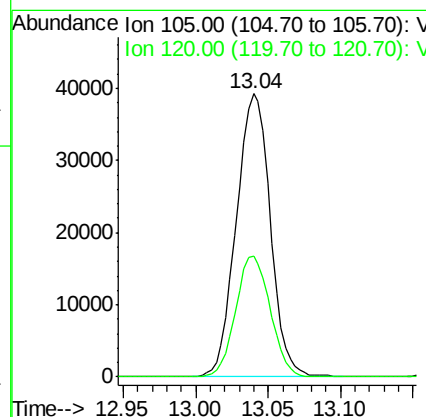
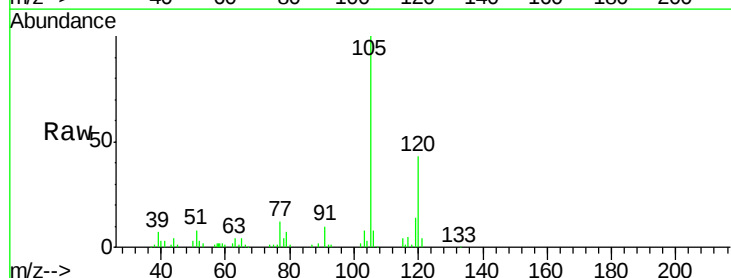
Instrument :
 MSVOA_N
 ClientSampled :
 50153

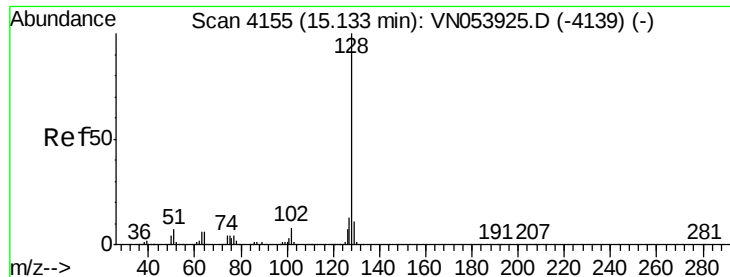
Tot Ion:105 Resp: 12699
 Ion Ratio Lower Upper
 105 100
 120 49.6 25.1 75.2



#84
 1,2,4-Trimethylbenzene
 Concen: 2.449 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053985.D
 Acq: 27 Feb 2019 22:51

Tgt Ion:105 Resp: 64029
 Ion Ratio Lower Upper
 105 100
 120 43.3 23.2 69.5





#95

Naphthalene

Concen: 4.229 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053985.D

Acq: 27 Feb 2019 22:51

Instrument :

MSVOA_N

ClientSampleId :

50153

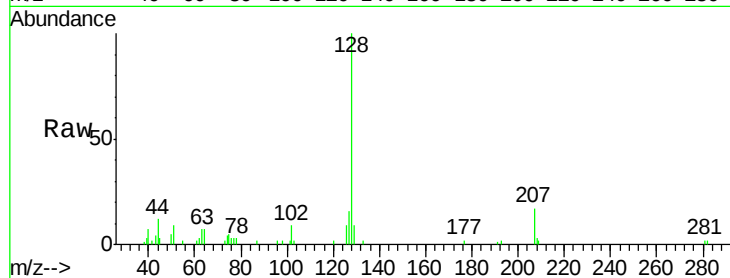
Tot Ion:128 Resp: 17679

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.2

129 11.9 8.6 12.8



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

