

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
 Data File : VN051532.D
 Acq On : 26 Sep 2018 12:24
 Operator : MD\SY
 Sample : J5053-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW12-GW

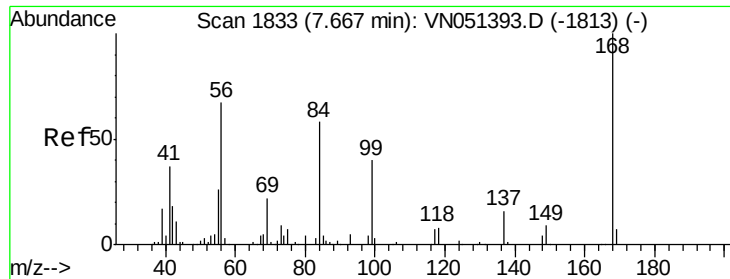
Quant Time: Sep 27 17:51:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	856717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1255505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1107492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	535407	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	530333	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
35) Dibromofluoromethane	7.59	113	465588	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	
50) Toluene-d8	10.09	98	1806005	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
62) 4-Bromofluorobenzene	12.40	95	589038	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	9.08	83	82648	4.863	ug/l	94
40) Benzene	8.04	78	1061775	24.872	ug/l	98
52) Toluene	10.16	92	7179419	270.615	ug/l	98
67) Ethyl Benzene	11.51	91	7695388	160.701	ug/l	100
68) m/p-Xylenes	11.62	106	6194421	334.422	ug/l	100
69) o-Xylene	11.95	106	6496982	364.861	ug/l	97
73) Isopropylbenzene	12.25	105	311016	6.885	ug/l	100
78) n-propylbenzene	12.59	91	924051	18.150	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1889551	51.297	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	6427859	173.173	ug/l	100
95) Naphthalene	15.13	128	2074390	95.485	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051532.D

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MSVOA_N

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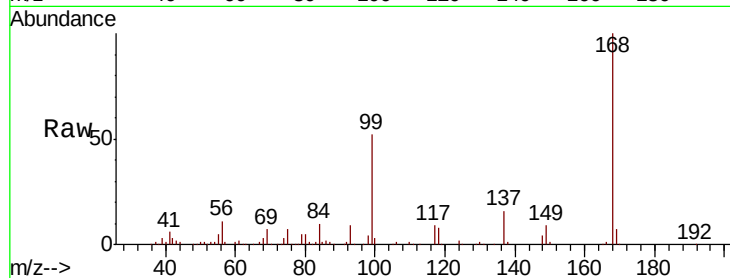
RFK-RMAB-MW12-GW

Tgt Ion: 168 Resp: 856717

Ion Ratio Lower Upper

168 100

99 51.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

400000

300000

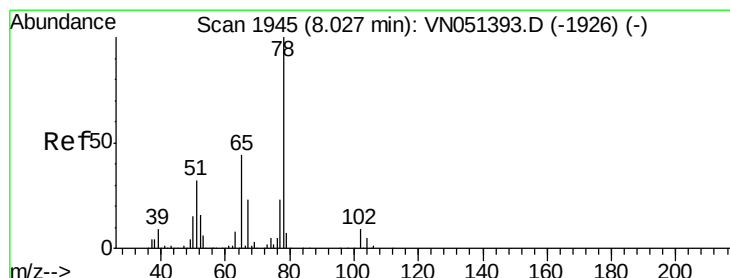
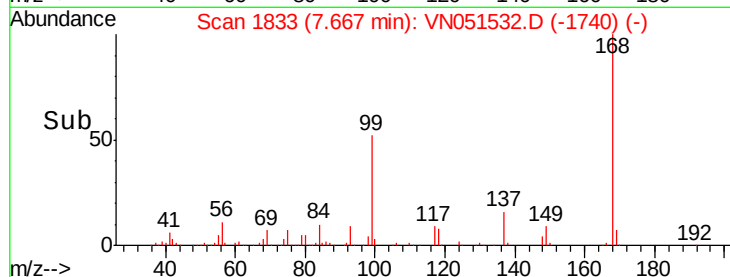
200000

100000

0

7.60 7.70 7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.416 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051532.D

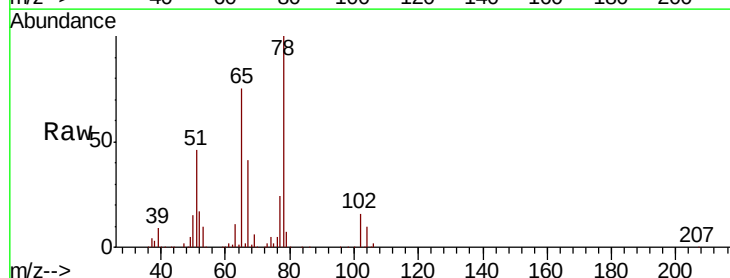
Acq: 26 Sep 2018 12:24

Tgt Ion: 65 Resp: 530333

Ion Ratio Lower Upper

65 100

67 53.7 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN051393.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN051393.D (-1926) (-)

8.03

250000

200000

150000

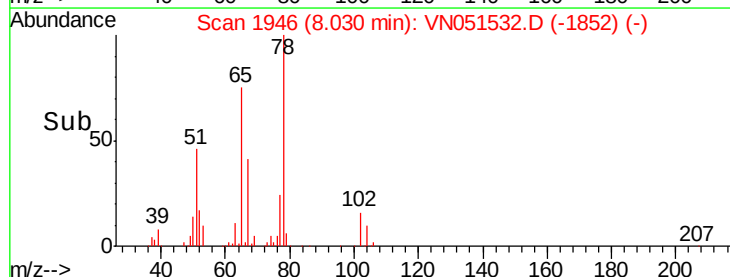
100000

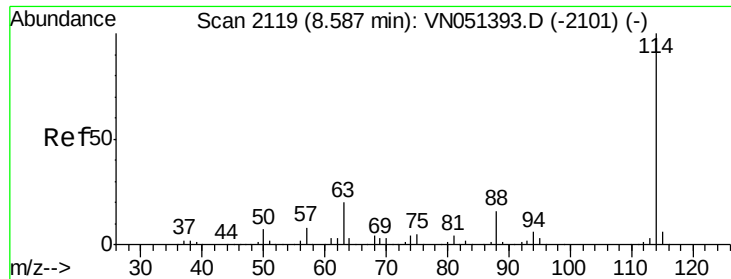
50000

0

7.90 8.00 8.10

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051532.D

Acq: 26 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW12-GW

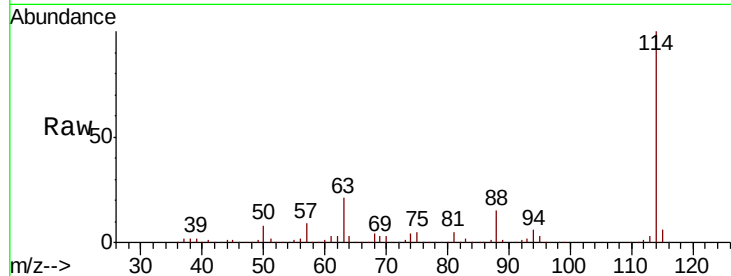
Tgt Ion:114 Resp: 1255505

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.2

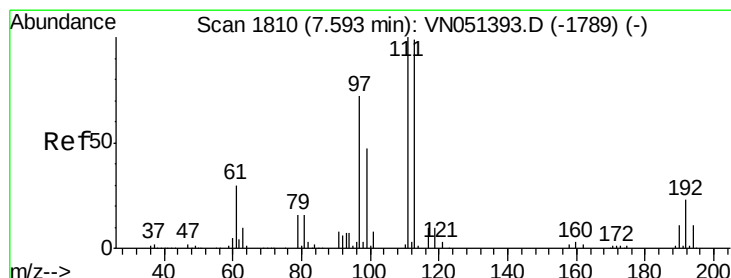
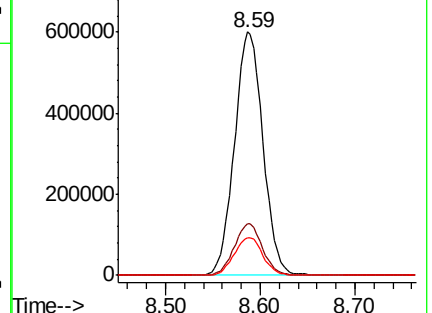
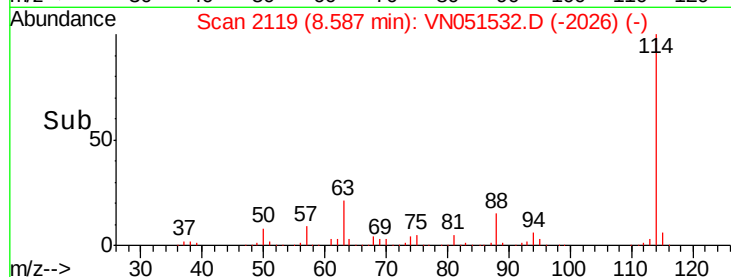
88 15.4 0.0 31.4



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: 46.375 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN051532.D

Acq: 26 Sep 2018 12:24

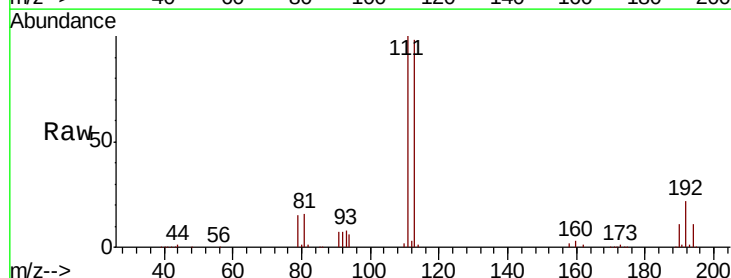
Tgt Ion:113 Resp: 465588

Ion Ratio Lower Upper

113 100

111 102.2 82.6 123.8

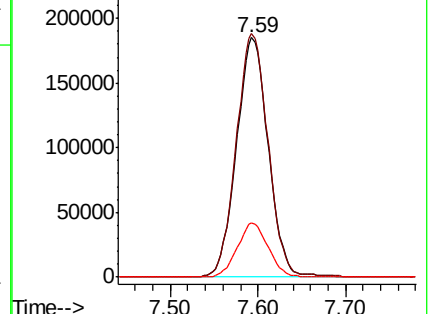
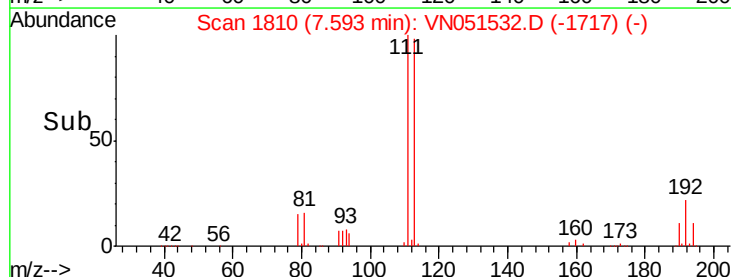
192 22.0 18.0 27.0

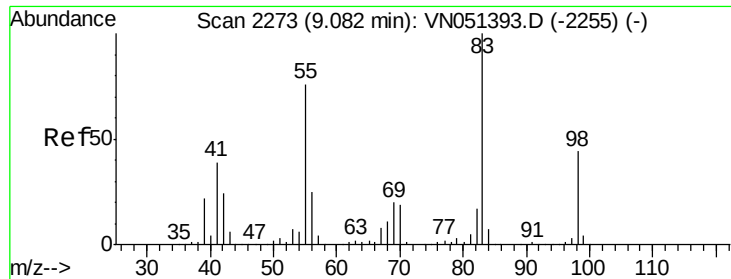


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

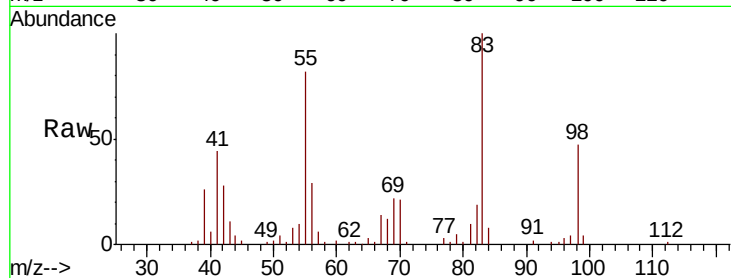




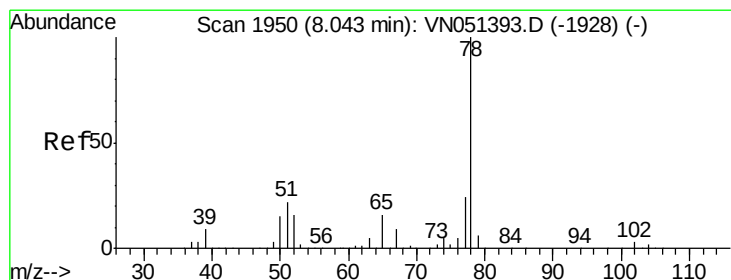
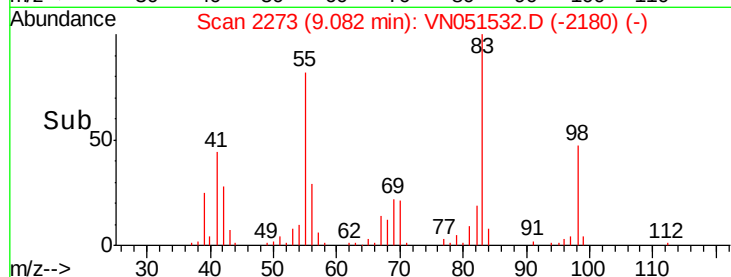
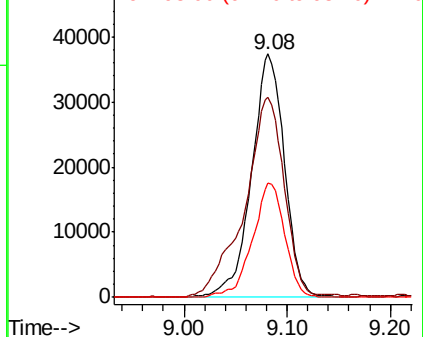
#39
Methylcyclohexane
Concen: 4.863 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051532.D
Acq: 26 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW12-GW

Tgt Ion: 83 Resp: 82648
Ion Ratio Lower Upper
83 100
55 81.7 61.0 91.4
98 47.1 35.6 53.4

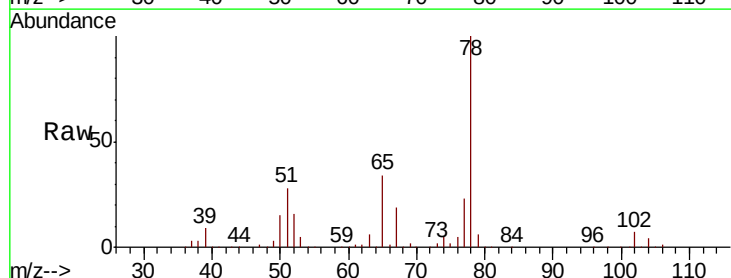


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

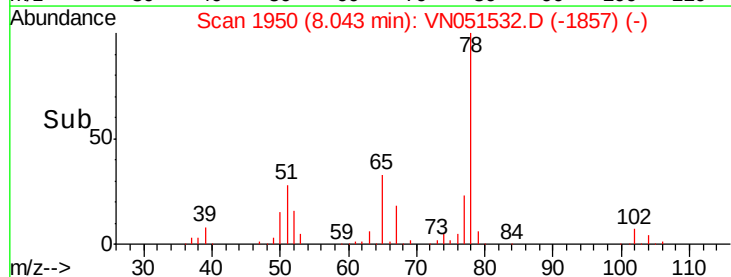
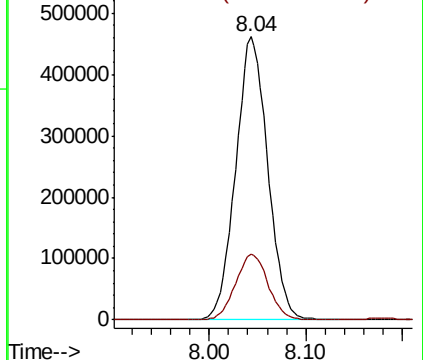


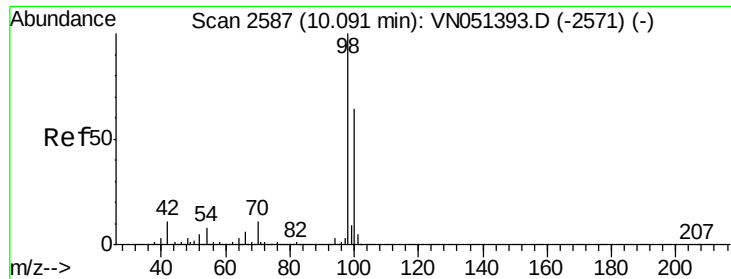
#40
Benzene
Concen: 24.872 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051532.D
Acq: 26 Sep 2018 12:24

Tgt Ion: 78 Resp: 1061775
Ion Ratio Lower Upper
78 100
77 23.0 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

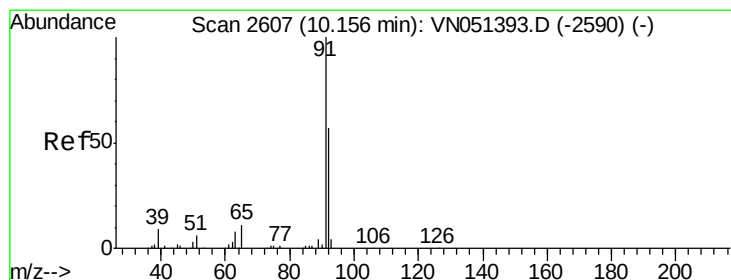
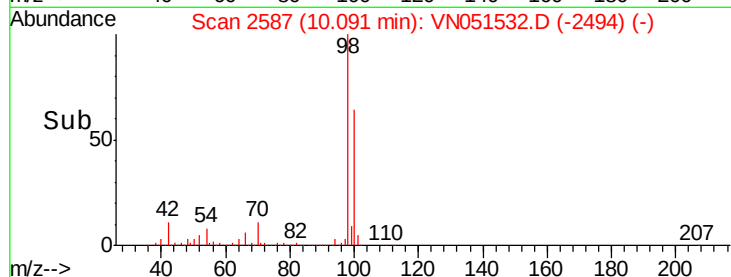
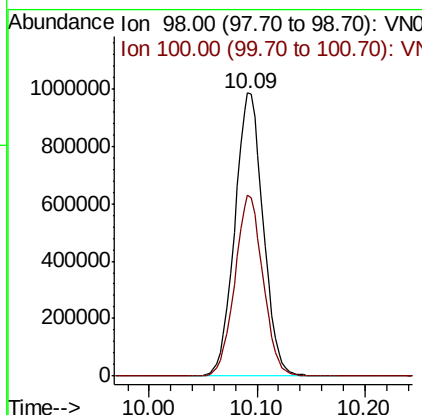
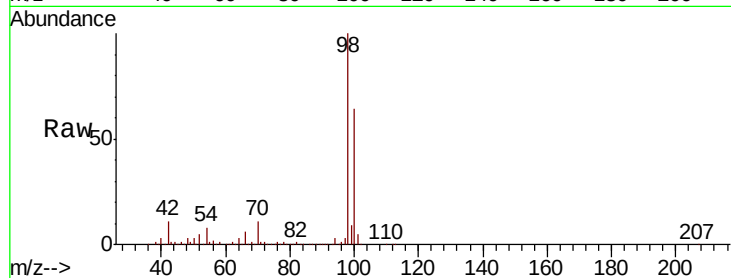




#50
Toluene-d8
Concen: 47.770 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051532.D
Acq: 26 Sep 2018 12:24

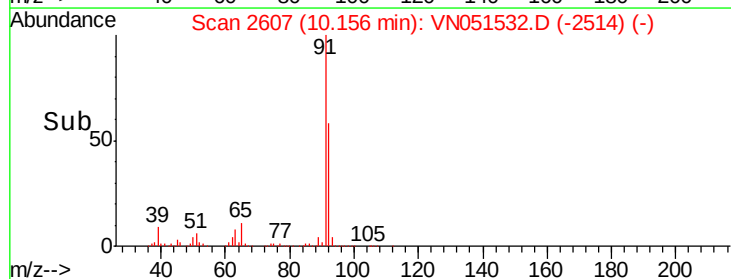
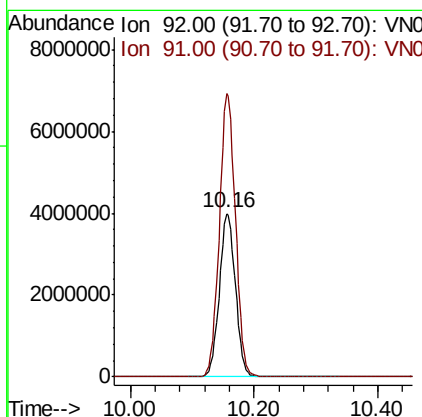
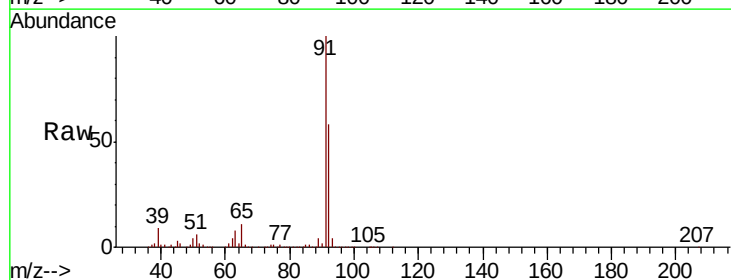
Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW12-GW

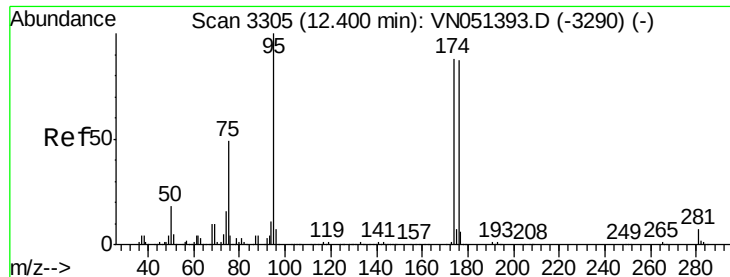
Tgt Ion: 98 Resp: 1806005
Ion Ratio Lower Upper
98 100
100 63.4 50.6 75.8



#52
Toluene
Concen: 270.615 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051532.D
Acq: 26 Sep 2018 12:24

Tgt Ion: 92 Resp: 7179419
Ion Ratio Lower Upper
92 100
91 174.4 142.2 213.4





#62

4-Bromofluorobenzene

Concen: 48.163 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051532.D

Acq: 26 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW12-GW

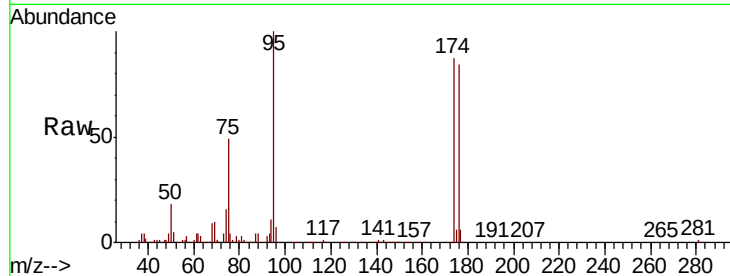
Tgt Ion: 95 Resp: 589038

Ion Ratio Lower Upper

95 100

174 88.9 0.0 181.6

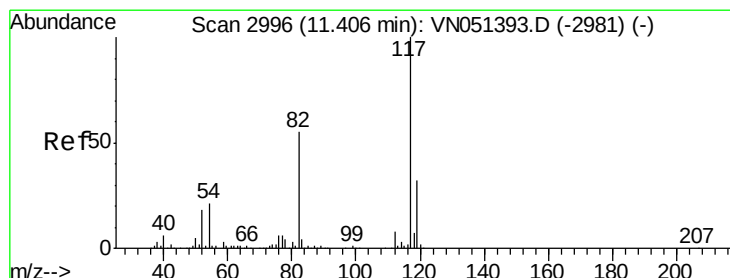
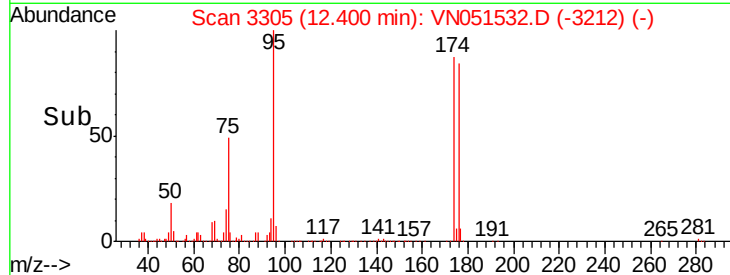
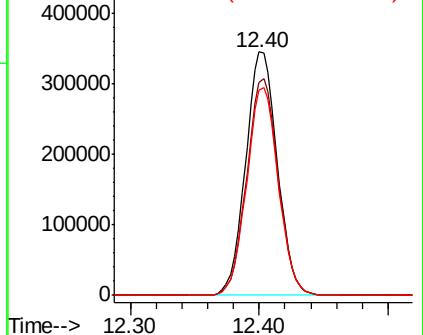
176 85.3 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VN051393.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051393.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051393.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051532.D

Acq: 26 Sep 2018 12:24

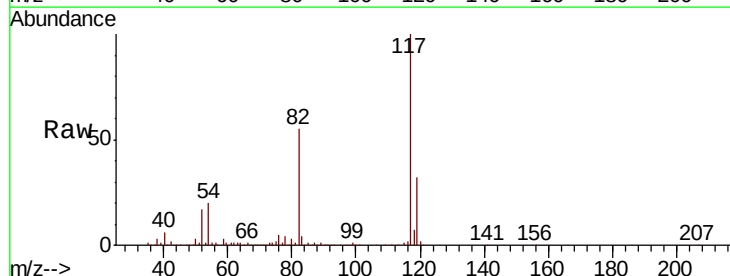
Tgt Ion: 117 Resp: 1107492

Ion Ratio Lower Upper

117 100

82 54.6 44.2 66.2

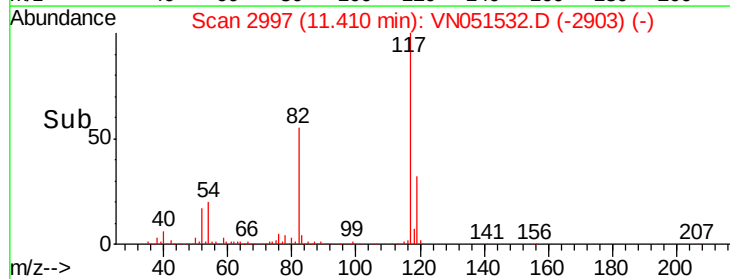
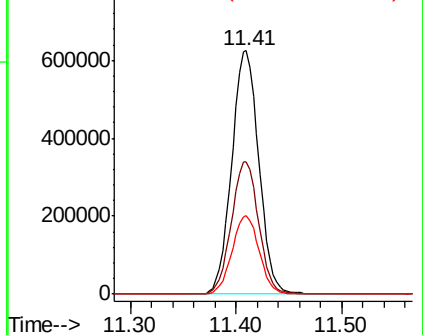
119 32.2 25.9 38.9

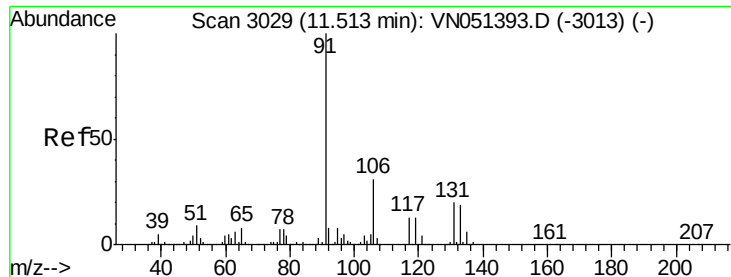


Abundance Ion 116.90 (116.60 to 117.60): VN051393.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051393.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051393.D (-2981) (-)





#67

Ethyl Benzene

Concen: 160.701 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN051532.D

Acq: 26 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

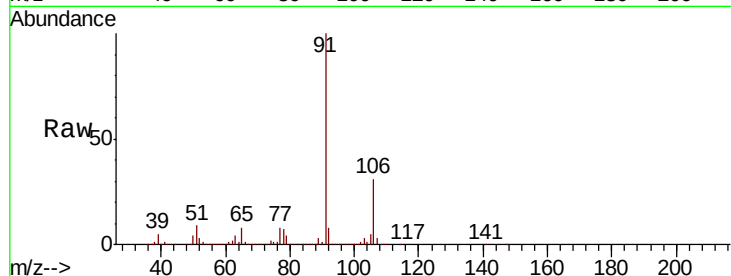
RFK-RMAB-MW12-GW

Tgt Ion: 91 Resp: 7695388

Ion Ratio Lower Upper

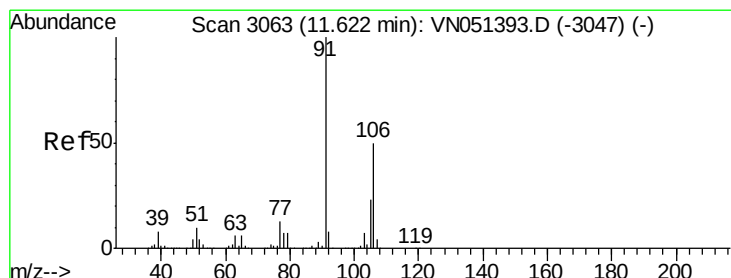
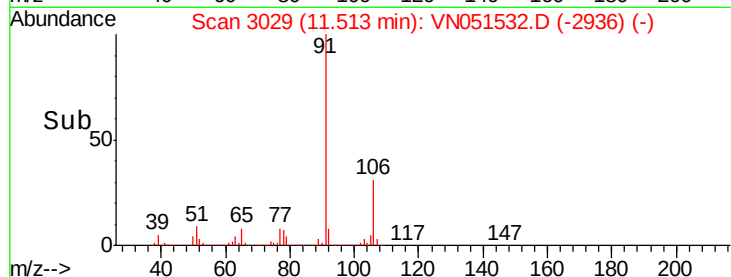
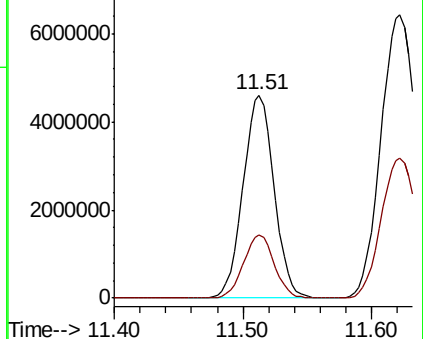
91 100

106 31.1 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN051393.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN051393.D (-3013) (-)



#68

m/p-Xylenes

Concen: 334.422 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051532.D

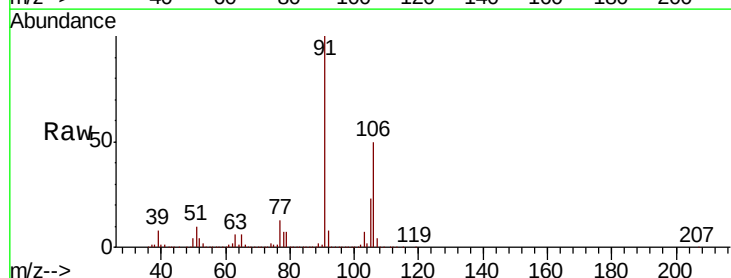
Acq: 26 Sep 2018 12:24

Tgt Ion: 106 Resp: 6194421

Ion Ratio Lower Upper

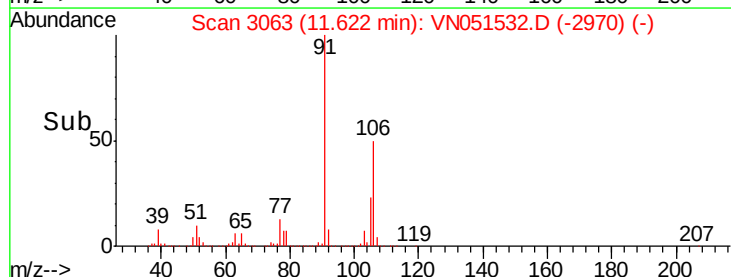
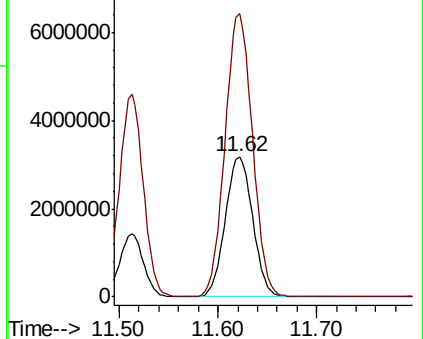
106 100

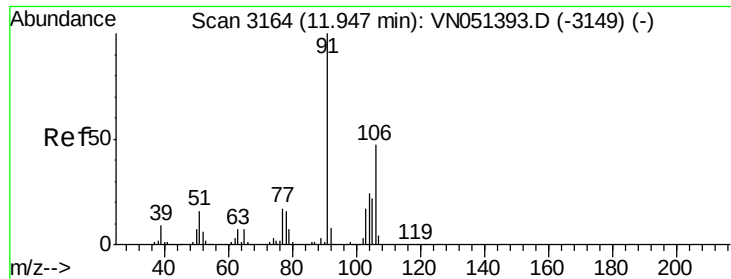
91 202.1 161.3 241.9



Abundance Ion 106.00 (105.70 to 106.70): VN051393.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN051393.D (-3047) (-)

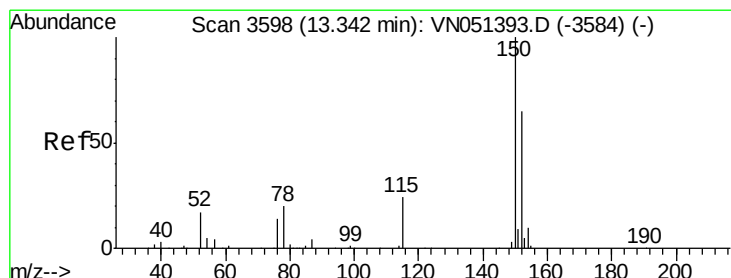
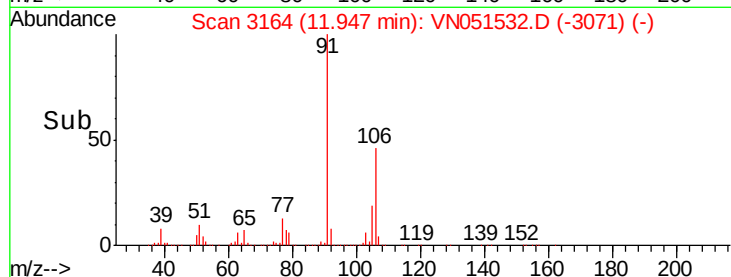
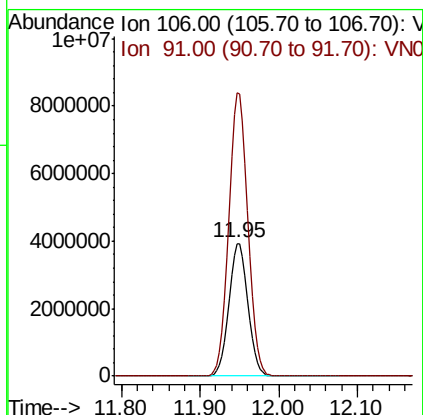
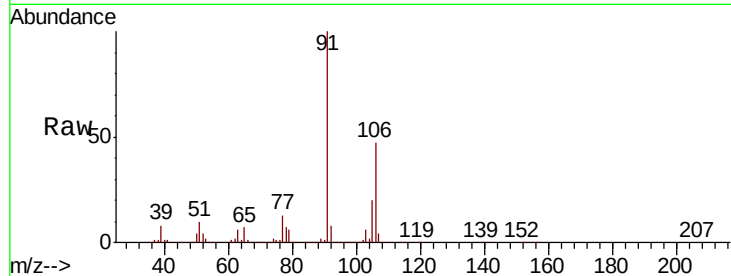




#69
o-Xylene
Concen: 364.861 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051532.D
Acq: 26 Sep 2018 12:24

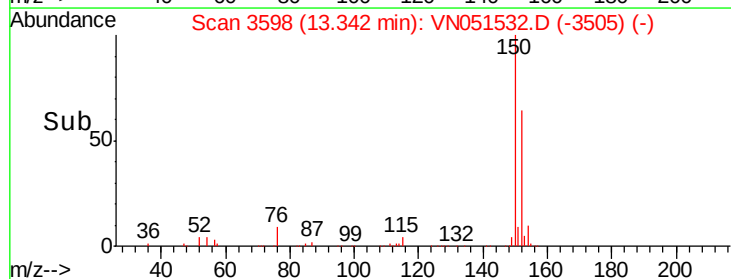
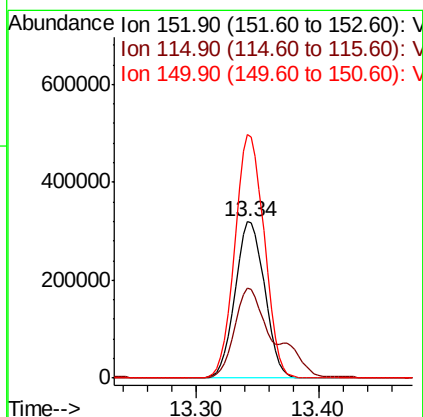
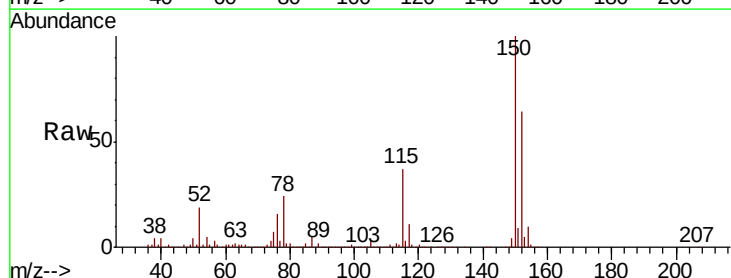
Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW12-GW

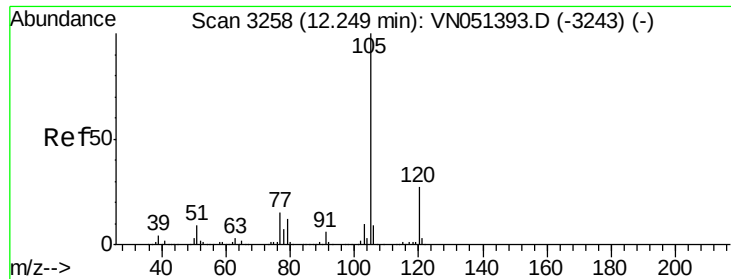
Tgt Ion:106 Resp: 6496982
Ion Ratio Lower Upper
106 100
91 214.5 105.3 315.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051532.D
Acq: 26 Sep 2018 12:24

Tgt Ion:152 Resp: 535407
Ion Ratio Lower Upper
152 100
115 61.3 28.3 84.9
150 154.6 0.0 353.6

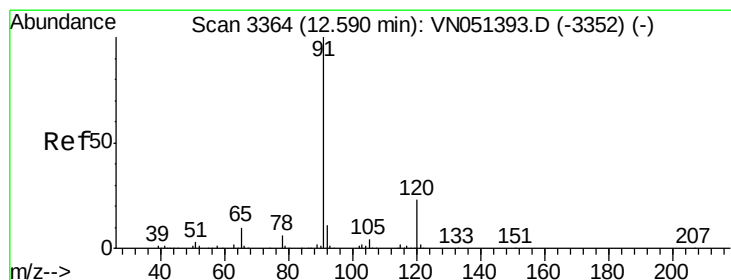
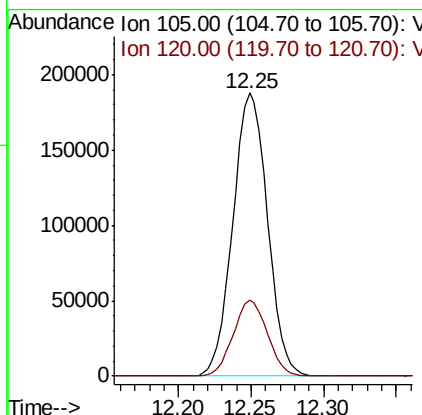
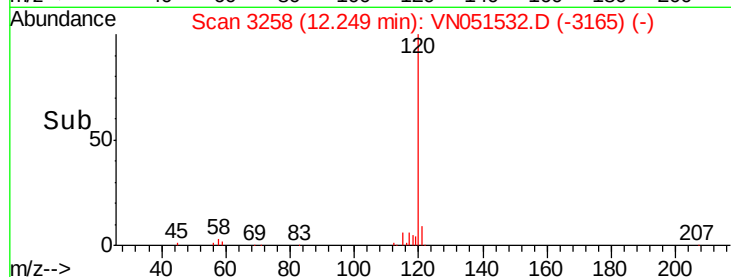
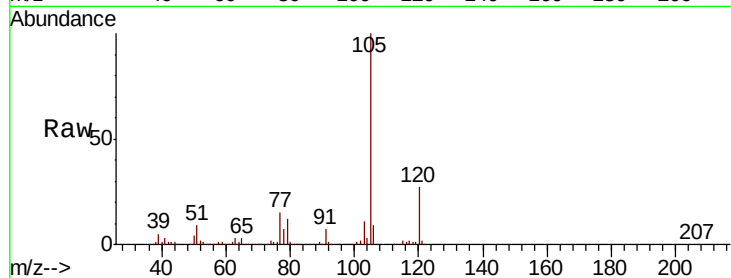




#73
Isopropylbenzene
Concen: 6.885 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051532.D
Acq: 26 Sep 2018 12:24

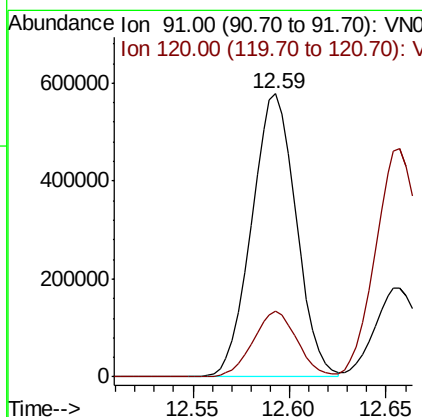
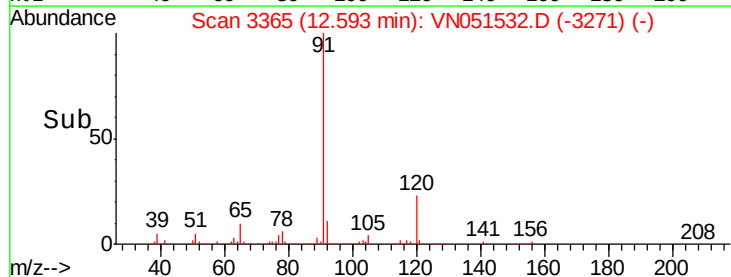
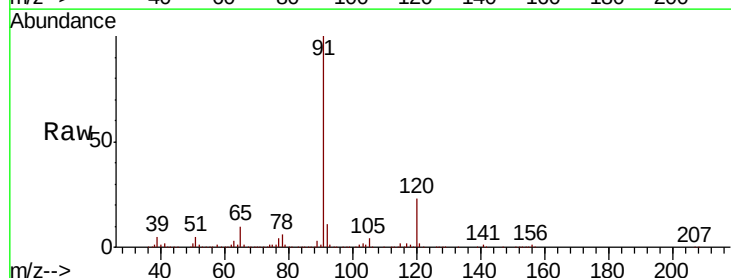
Instrument :
MSVOA_N
ClientSampleId :
RfK-RMAB-MW12-GW

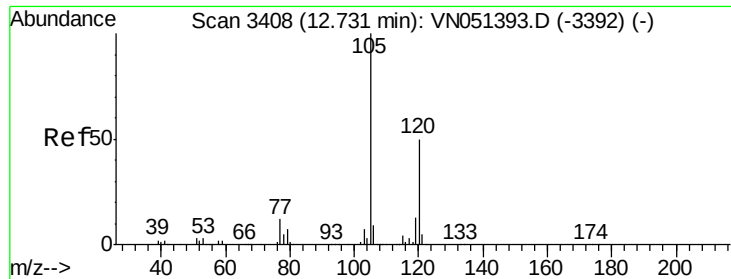
Tgt Ion: 105 Resp: 311016
Ion Ratio Lower Upper
105 100
120 26.4 13.3 39.8



#78
n-propylbenzene
Concen: 18.150 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN051532.D
Acq: 26 Sep 2018 12:24

Tgt Ion: 91 Resp: 924051
Ion Ratio Lower Upper
91 100
120 23.1 11.9 35.5

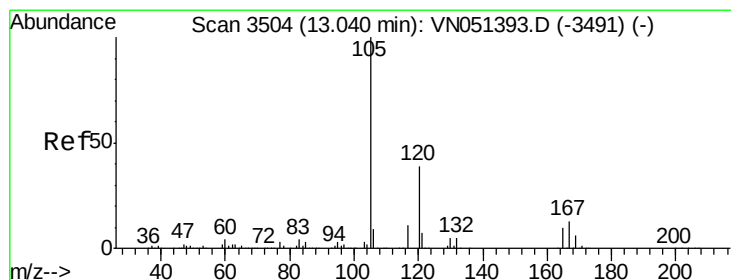
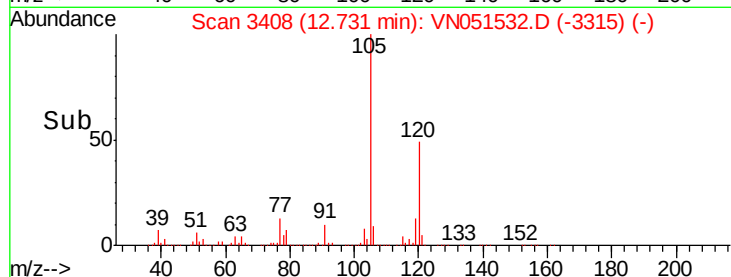
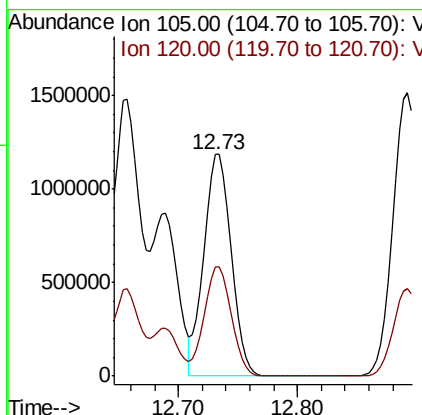
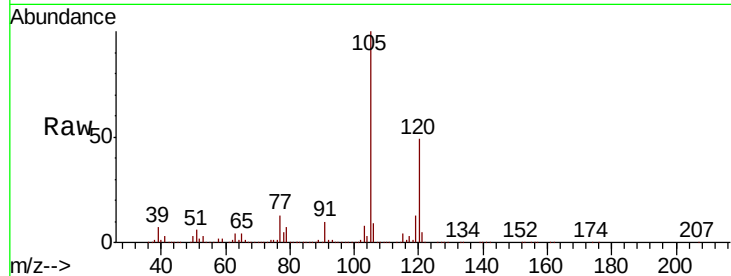




#80
 1,3,5-Trimethylbenzene
 Concen: 51.297 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN051532.D
 Acq: 26 Sep 2018 12:24

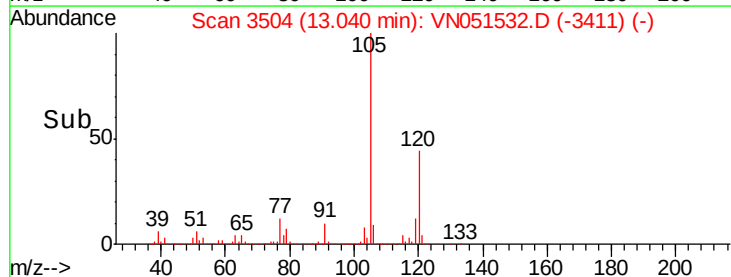
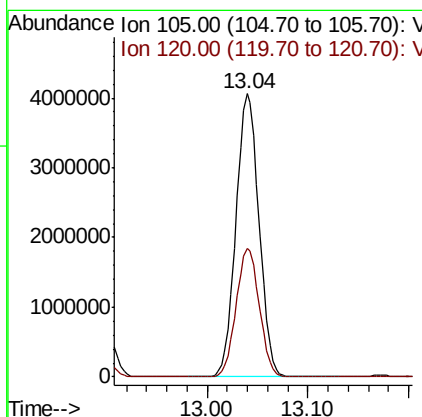
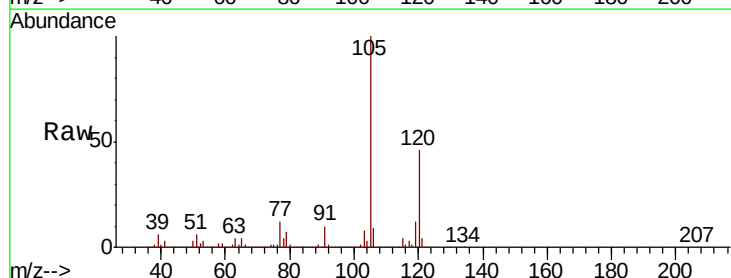
Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW12-GW

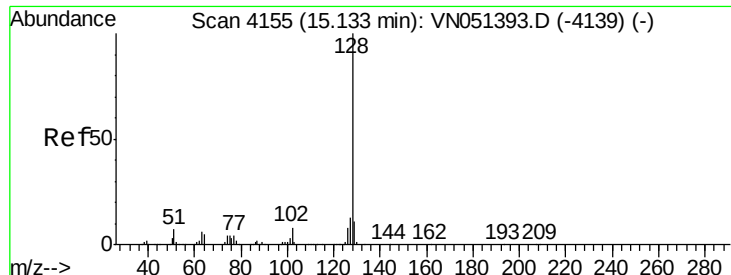
Tgt Ion:105 Resp: 1889551
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.8 74.4



#84
 1,2,4-Trimethylbenzene
 Concen: 173.173 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051532.D
 Acq: 26 Sep 2018 12:24

Tgt Ion:105 Resp: 6427859
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.7





#95

Naphthalene

Concen: 95.485 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051532.D

Acq: 26 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW12-GW

Tgt Ion:128 Resp: 2074390

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 10.7 8.6 12.8

