

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050119.D
 Acq On : 27 Jul 2018 7:22
 Operator : MD\SY
 Sample : J4184-02 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BD

Quant Time: Jul 27 08:40:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	825560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1256841	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1117208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	538116	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	511129	44.37	ug/l	0.00
Spiked Amount			Recovery	=	88.74%	
35) Dibromofluoromethane	7.59	113	465968	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	
50) Toluene-d8	10.09	98	1736366	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	
62) 4-Bromofluorobenzene	12.40	95	575531	46.33	ug/l	0.00
Spiked Amount			Recovery	=	92.66%	

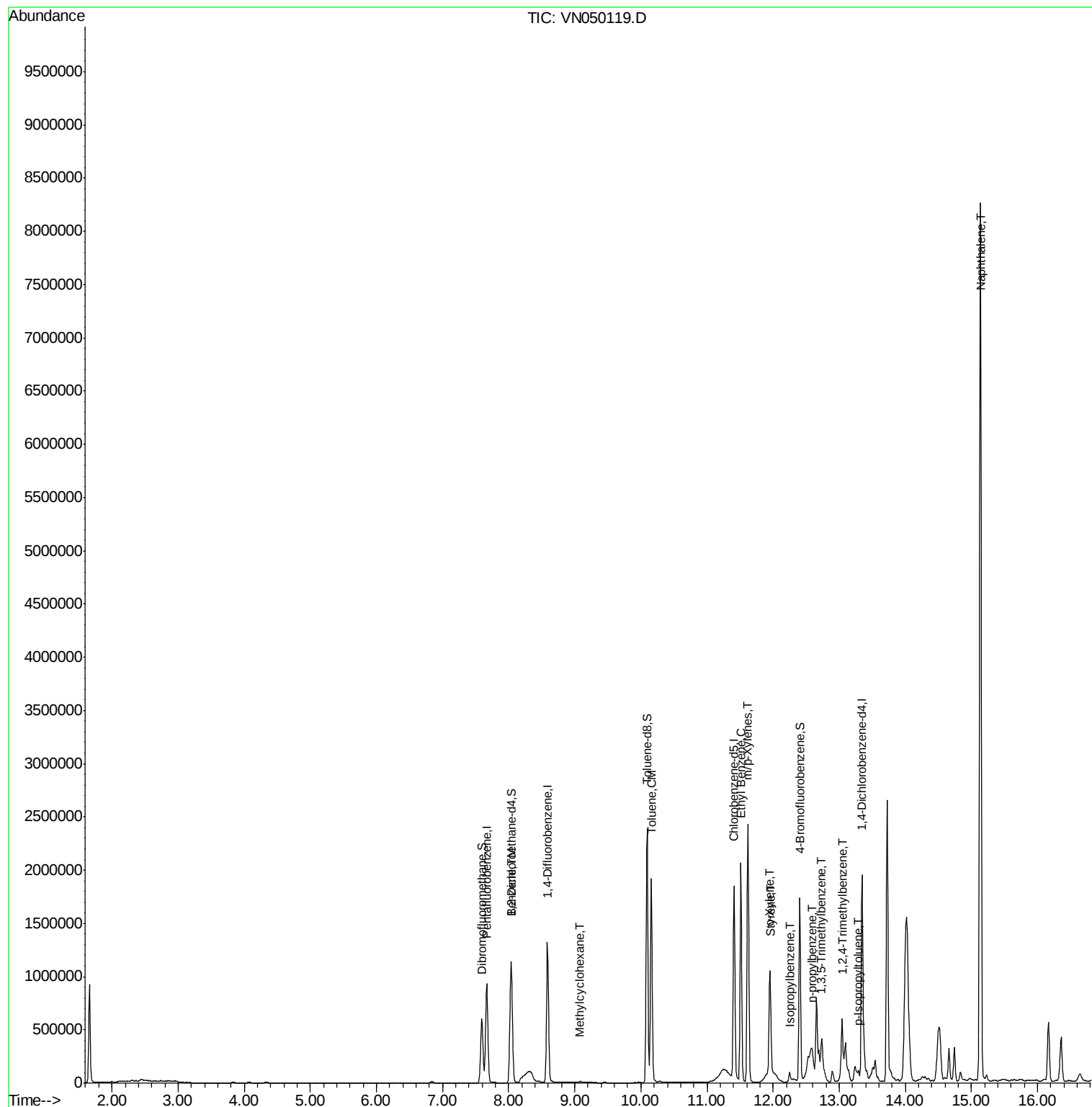
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	9.08	83	5982	0.41	ug/l	97
40) Benzene	8.05	78	763945	17.73	ug/l	99
52) Toluene	10.16	92	861809	33.88	ug/l	100
67) Ethyl Benzene	11.51	91	1538073	33.93	ug/l	100
68) m/p-Xylenes	11.62	106	764630	44.59	ug/l	99
69) o-Xylene	11.95	106	251613	15.39	ug/l	99
70) Styrene	11.97	104	117391	4.89	ug/l #	75
73) Isopropylbenzene	12.25	105	58294	1.40	ug/l	97
78) n-propylbenzene	12.59	91	43058	0.92	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	127789	3.89	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	290254	8.77	ug/l	100
86) p-Isopropyltoluene	13.29	119	39906	1.24	ug/l	99
95) Naphthalene	15.14	128	7189818	271.14	ug/l	100

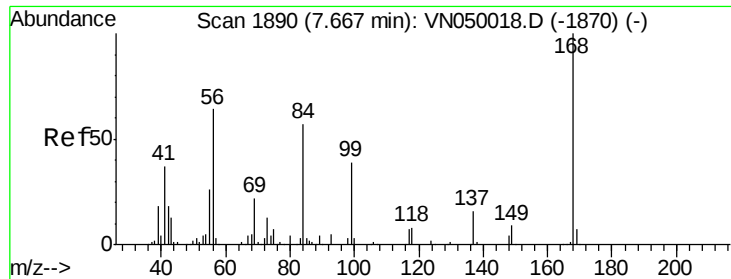
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072618\
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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050119.D

Acq: 27 Jul 2018 7:22

Instrument :

MSVOA_N

ClientSampleId :

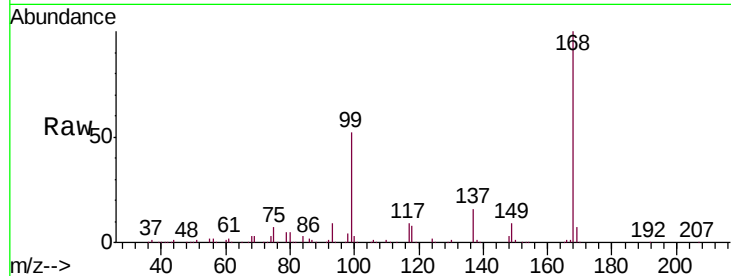
MW-7BD

Tot Ion:168 Resp: 825560

Ion Ratio Lower Upper

168 100

99 51.8 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

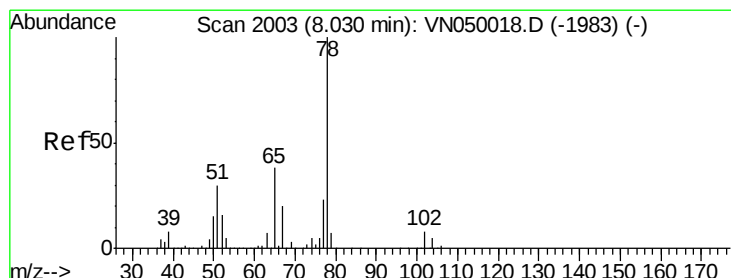
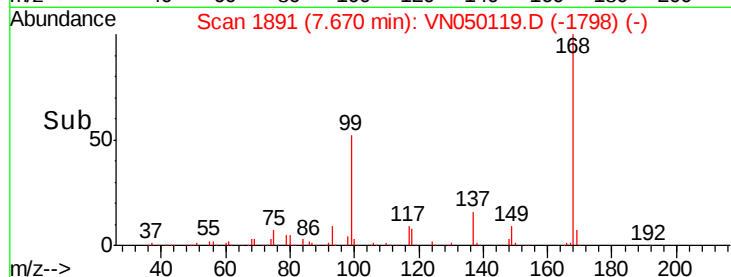
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#33

1,2-Dichloroethane-d4

Concen: 44.37 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050119.D

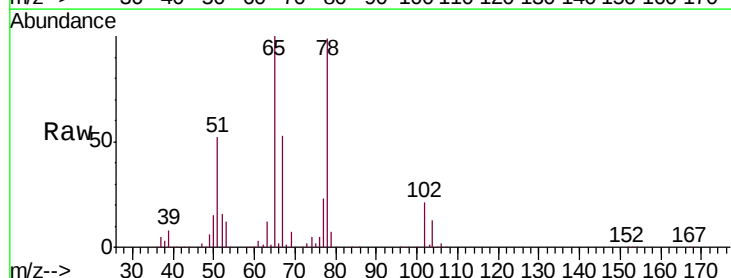
Acq: 27 Jul 2018 7:22

Tgt Ion: 65 Resp: 511129

Ion Ratio Lower Upper

65 100

67 53.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

8.03

250000

200000

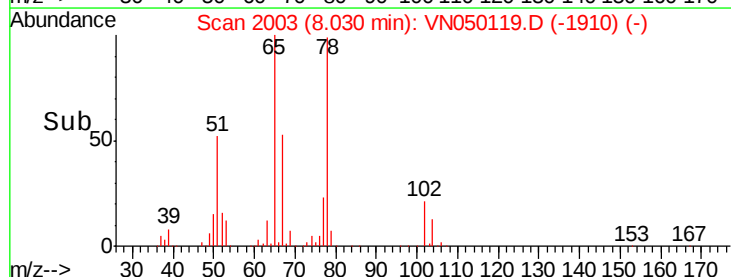
150000

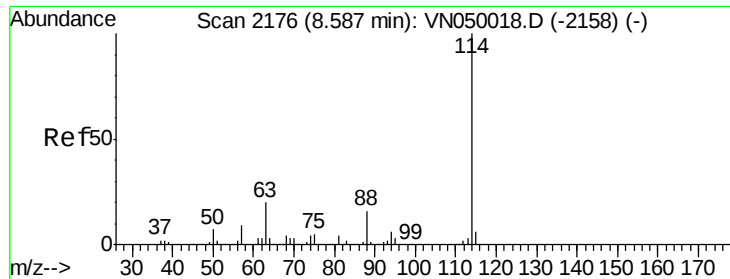
100000

50000

0

Time--> 7.90 8.00 8.10 8.20

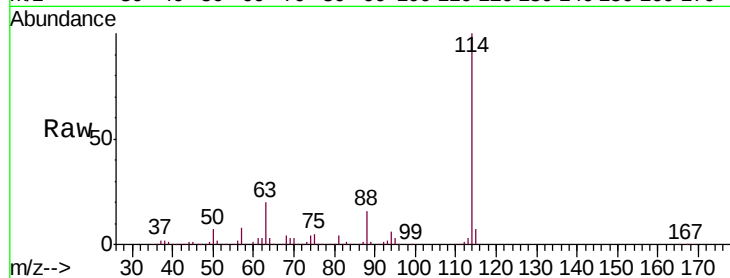




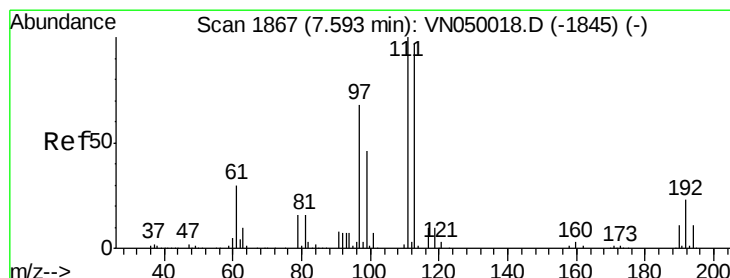
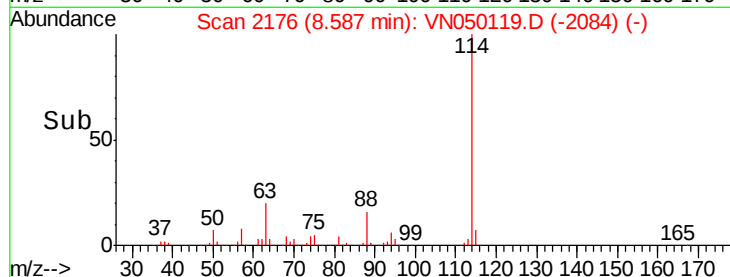
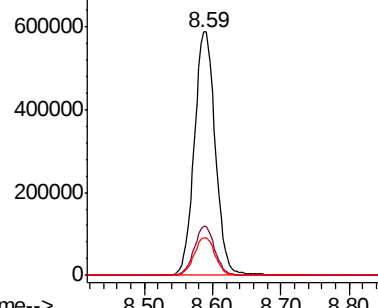
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050119.D
 Acq: 27 Jul 2018 7:22

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BD

Tot Ion:114 Resp: 1256841
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.6 0.0 31.2

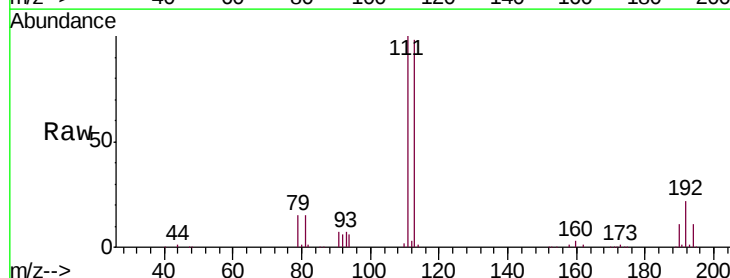


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

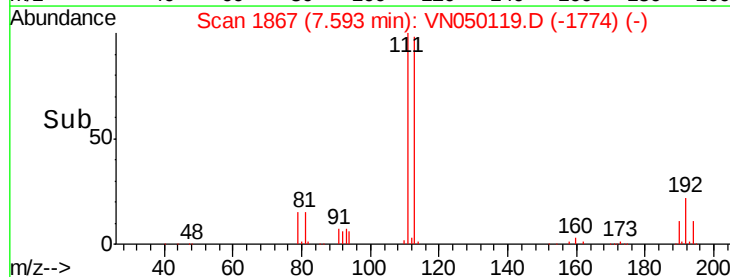
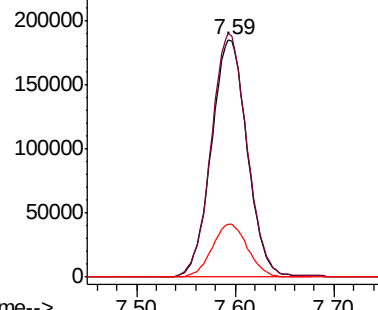


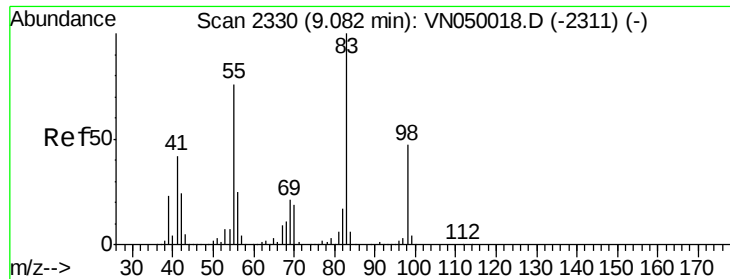
#35
 Dibromofluoromethane
 Concen: 45.41 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050119.D
 Acq: 27 Jul 2018 7:22

Tgt Ion:113 Resp: 465968
 Ion Ratio Lower Upper
 113 100
 111 102.5 80.7 121.1
 192 22.2 17.8 26.6



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

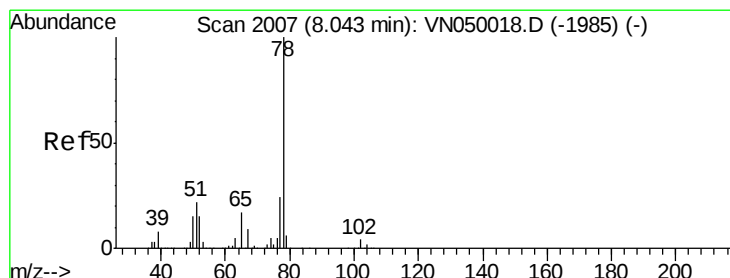
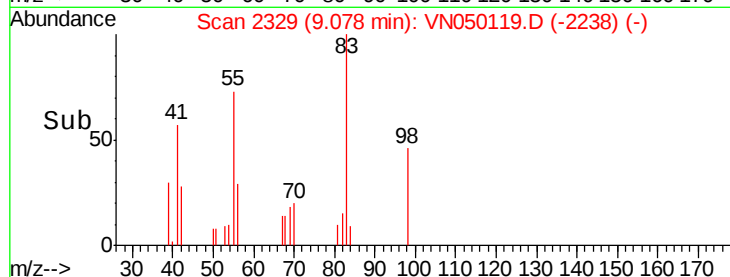
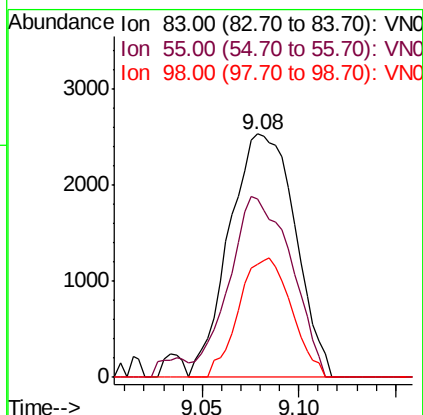
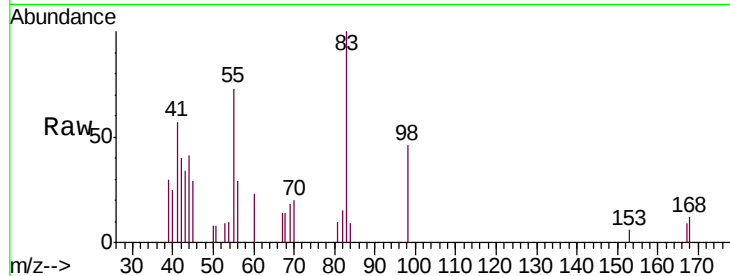




#39
Methvlcvclohexane
Concen: 0.41 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.01 min
Lab File: VN050119.D
Acq: 27 Jul 2018 7:22

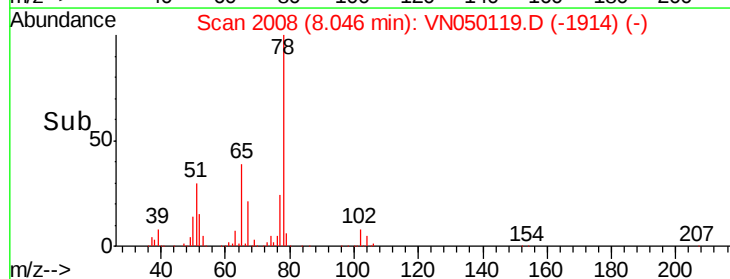
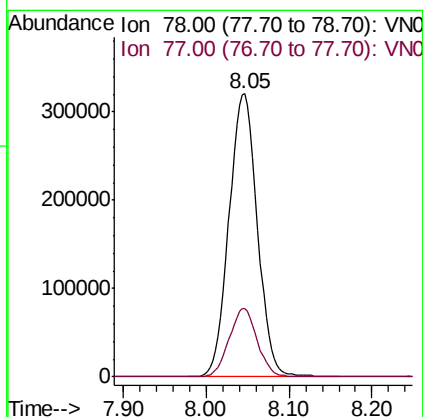
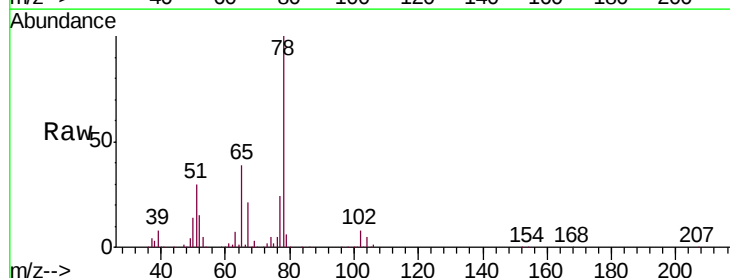
Instrument :
MSVOA_N
ClientSampleId :
MW-7BD

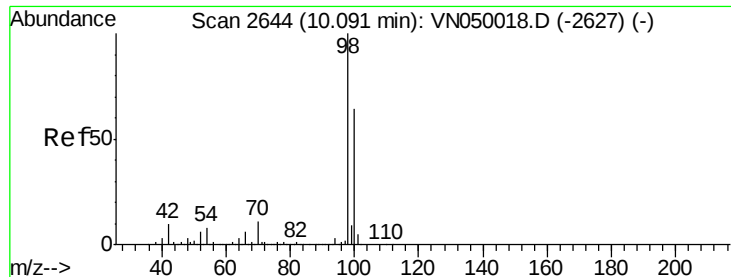
Tot Ion: 83 Resp: 5982
Ion Ratio Lower Upper
83 100
55 73.2 61.8 92.8
98 46.3 36.5 54.7



#40
Benzene
Concen: 17.73 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN050119.D
Acq: 27 Jul 2018 7:22

Tgt Ion: 78 Resp: 763945
Ion Ratio Lower Upper
78 100
77 24.1 18.7 28.1





#50

Toluene-d8

Concen: 46.03 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050119.D

Acq: 27 Jul 2018 7:22

Instrument :

MSVOA_N

ClientSampleId :

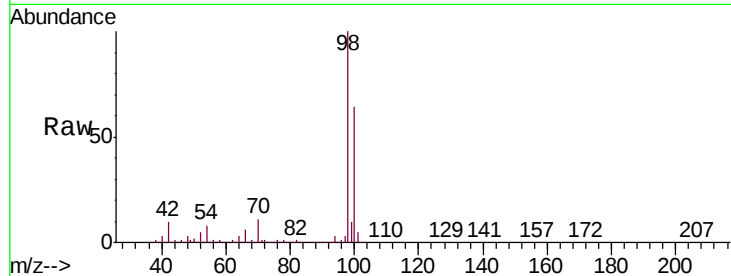
MW-7BD

Tot Ion: 98 Resp: 1736366

Ion Ratio Lower Upper

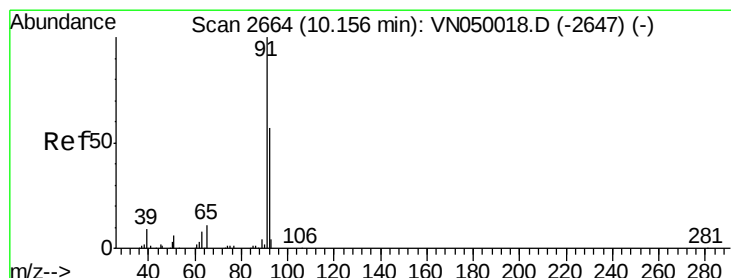
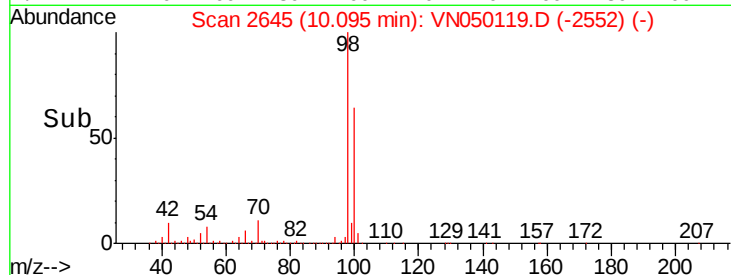
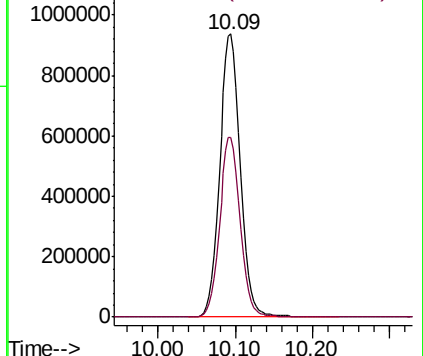
98 100

100 63.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

Toluene

Concen: 33.88 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050119.D

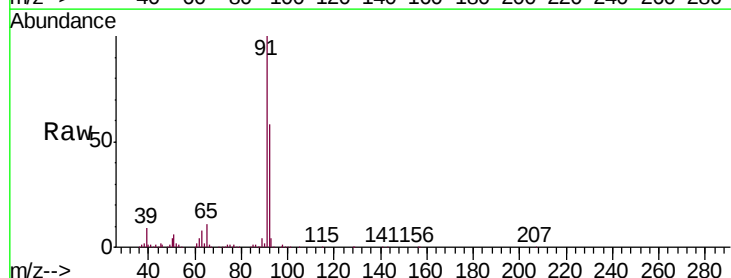
Acq: 27 Jul 2018 7:22

Tgt Ion: 92 Resp: 861809

Ion Ratio Lower Upper

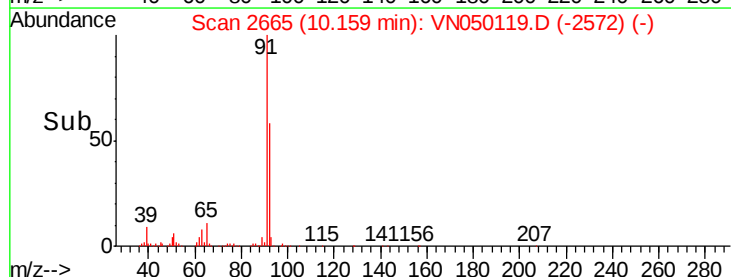
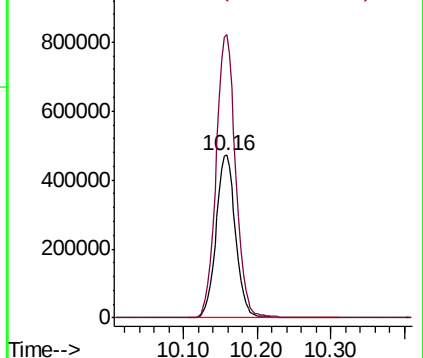
92 100

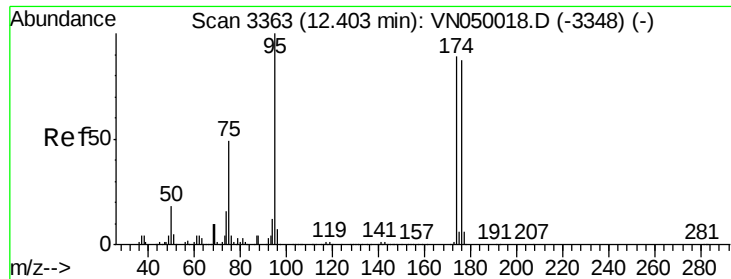
91 174.8 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#62

4-Bromofluorobenzene

Concen: 46.33 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050119.D

Acq: 27 Jul 2018 7:22

Instrument :

MSVOA_N

ClientSampleId :

MW-7BD

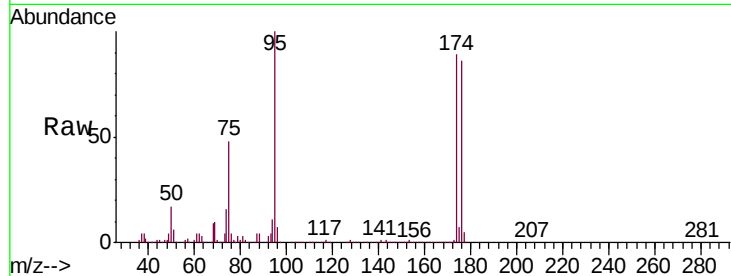
Tot Ion: 95 Resp: 575531

Ion Ratio Lower Upper

95 100

174 89.7 0.0 178.2

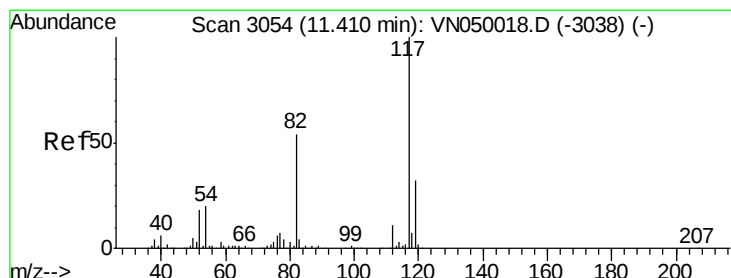
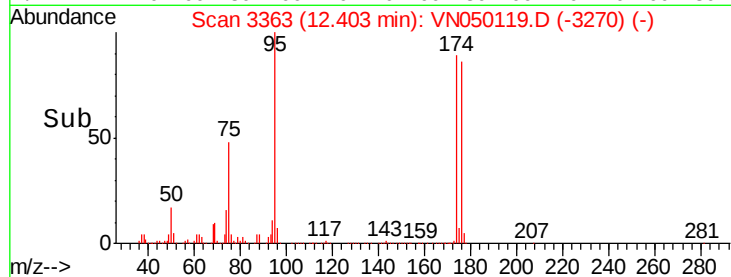
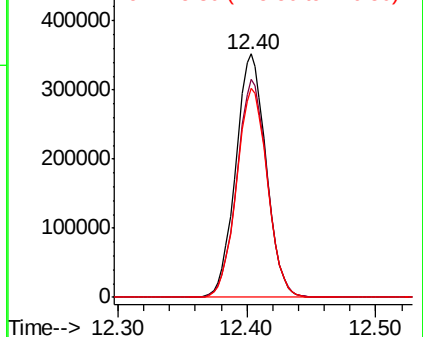
176 87.1 0.0 173.4



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: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050119.D

Acq: 27 Jul 2018 7:22

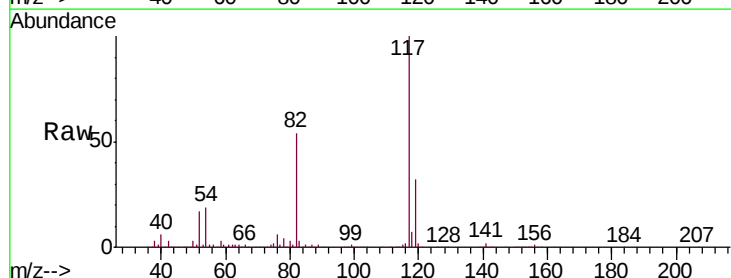
Tgt Ion: 117 Resp: 1117208

Ion Ratio Lower Upper

117 100

82 53.5 43.7 65.5

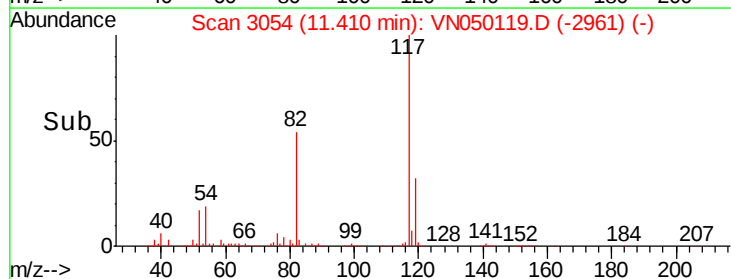
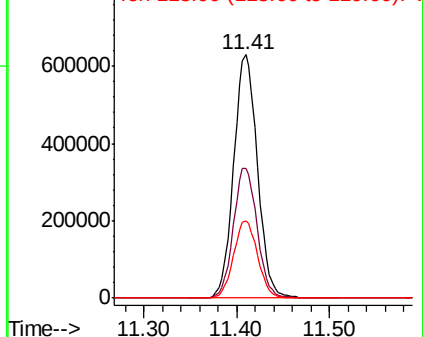
119 31.9 26.1 39.1

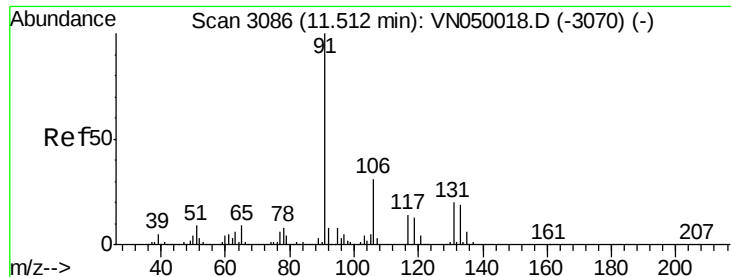


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#67

Ethyl Benzene

Concen: 33.93 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050119.D

Acq: 27 Jul 2018 7:22

Instrument :

MSVOA_N

ClientSampled :

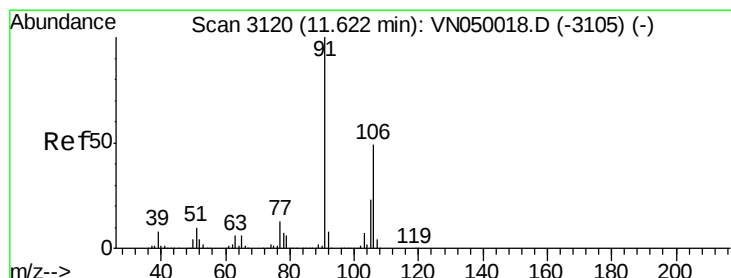
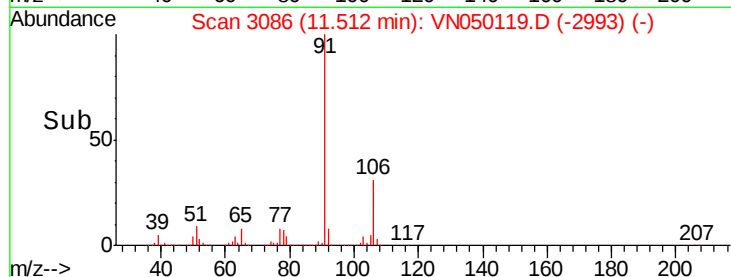
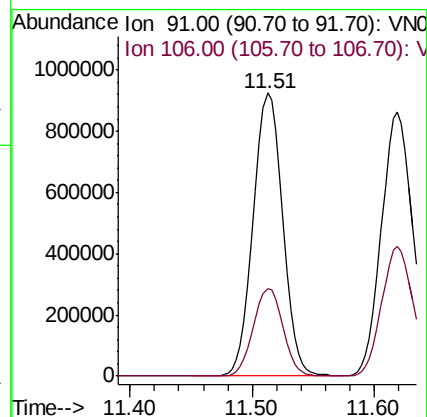
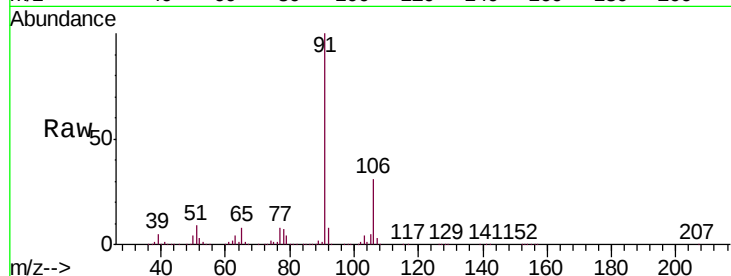
MW-7BD

Tot Ion: 91 Resp: 1538073

Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4



#68

m/p-Xylenes

Concen: 44.59 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.01 min

Lab File: VN050119.D

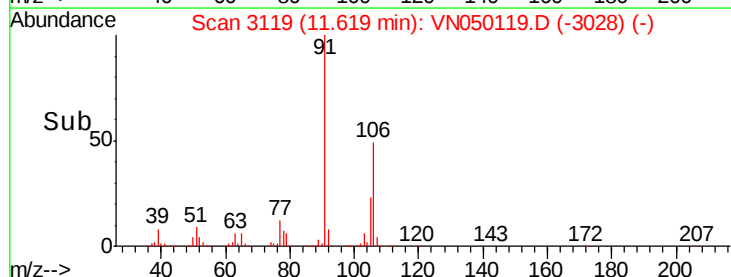
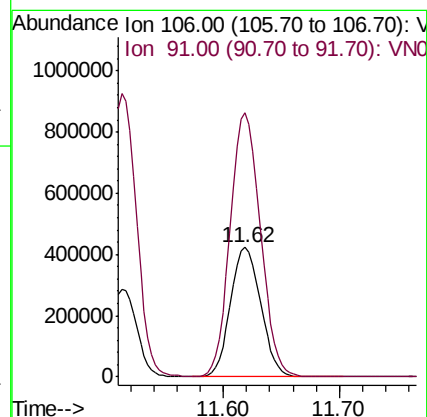
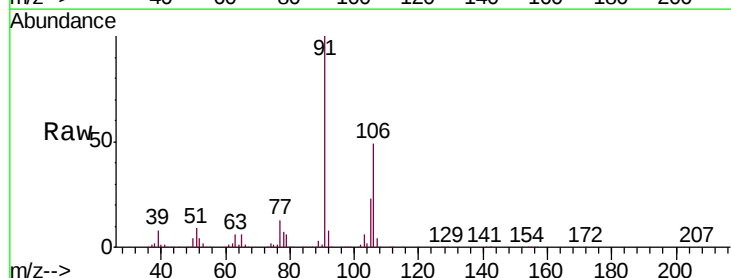
Acq: 27 Jul 2018 7:22

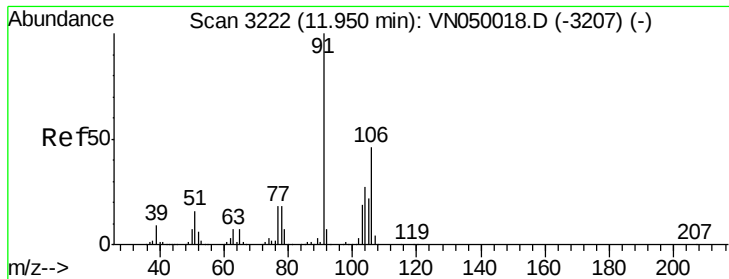
Tgt Ion: 106 Resp: 764630

Ion Ratio Lower Upper

106 100

91 203.5 162.2 243.2

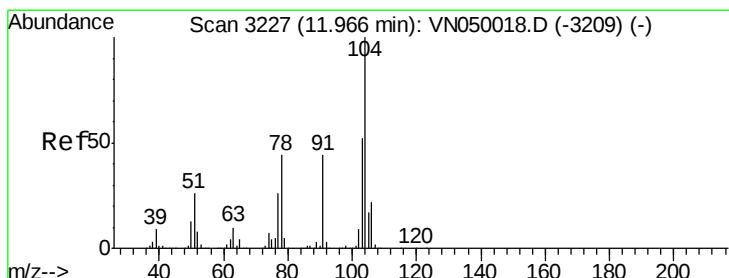
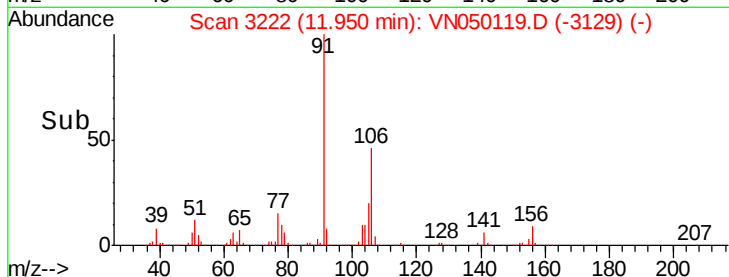
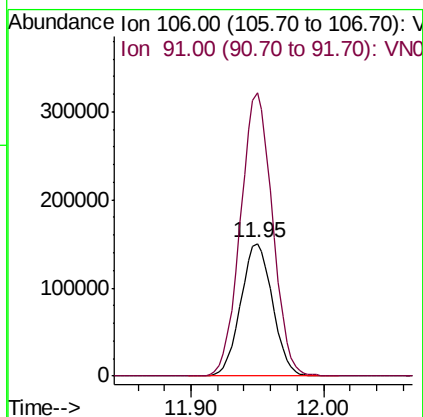
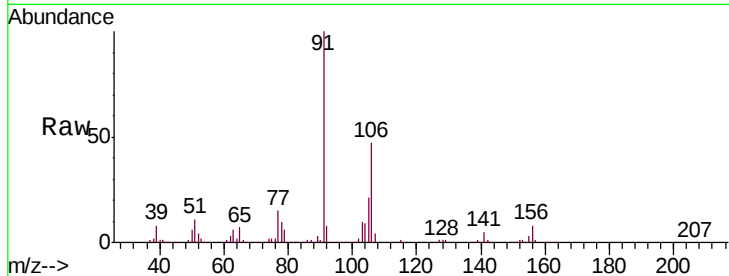




#69
o-Xylene
Concen: 15.39 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050119.D
Acq: 27 Jul 2018 7:22

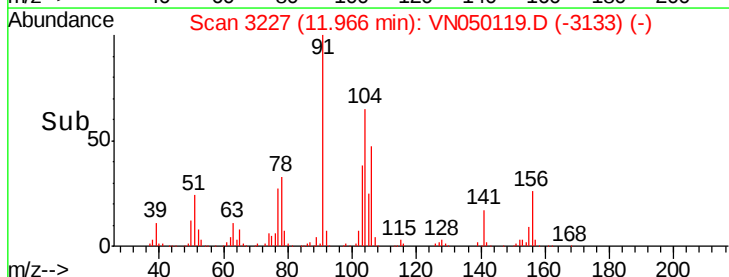
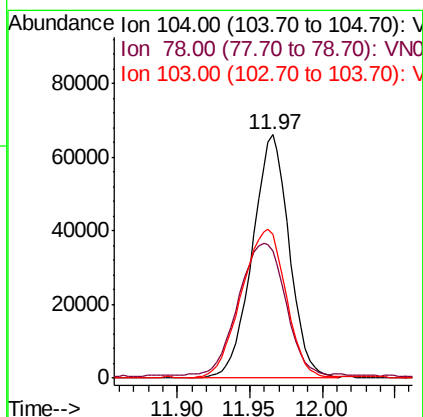
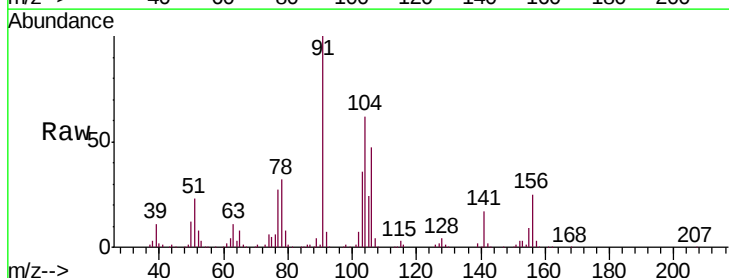
Instrument :
MSVOA_N
ClientSampled :
MW-7BD

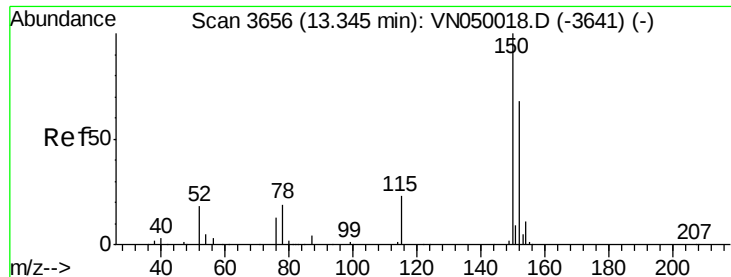
Tot Ion:106 Resp: 251613
Ion Ratio Lower Upper
106 100
91 213.4 107.7 323.1



#70
Styrene
Concen: 4.89 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050119.D
Acq: 27 Jul 2018 7:22

Tgt Ion:104 Resp: 117391
Ion Ratio Lower Upper
104 100
78 68.0 39.3 58.9#
103 73.3 45.0 67.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050119.D

Acq: 27 Jul 2018 7:22

Instrument :

MSVOA_N

ClientSampleId :

MW-7BD

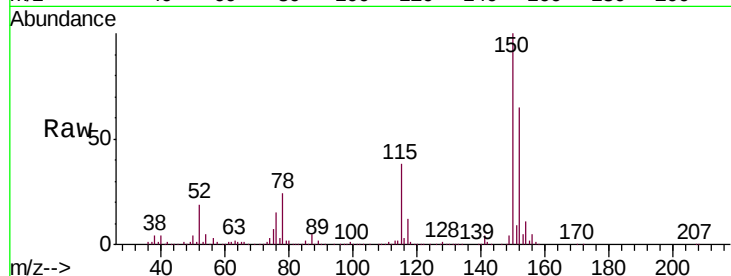
Tot Ion:152 Resp: 538116

Ion Ratio Lower Upper

152 100

115 58.2 27.8 83.3

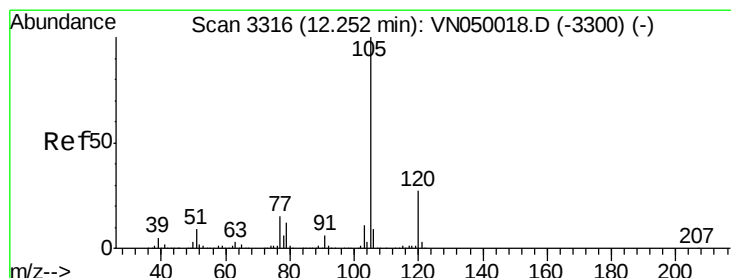
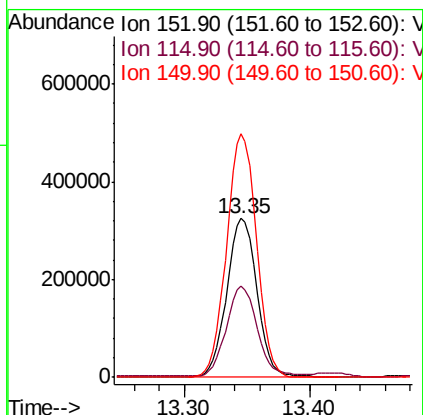
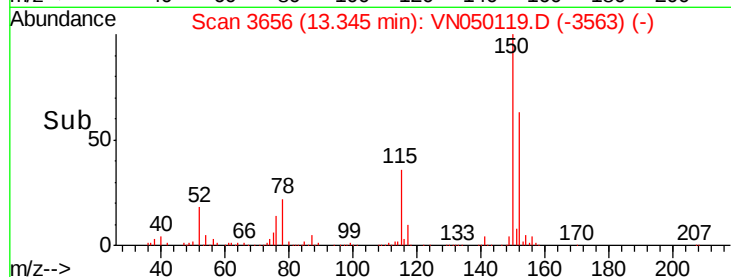
150 153.0 0.0 348.6



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



#73

Isopropylbenzene

Concen: 1.40 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050119.D

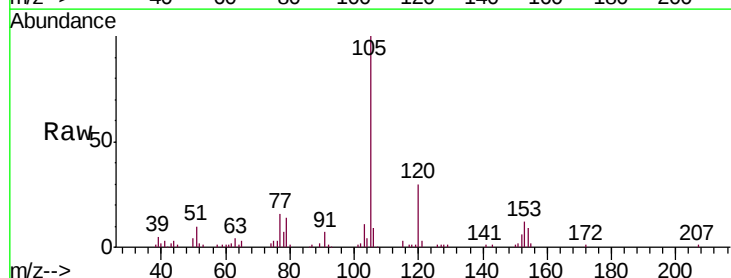
Acq: 27 Jul 2018 7:22

Tgt Ion:105 Resp: 58294

Ion Ratio Lower Upper

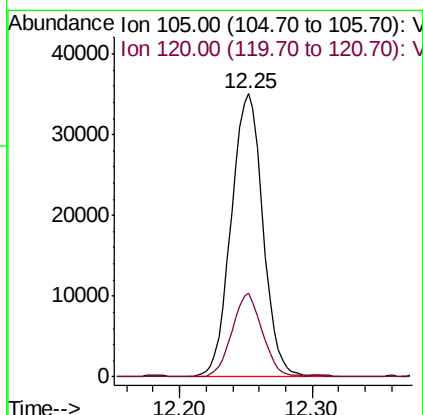
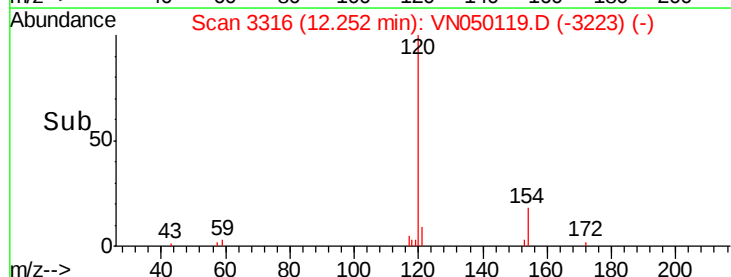
105 100

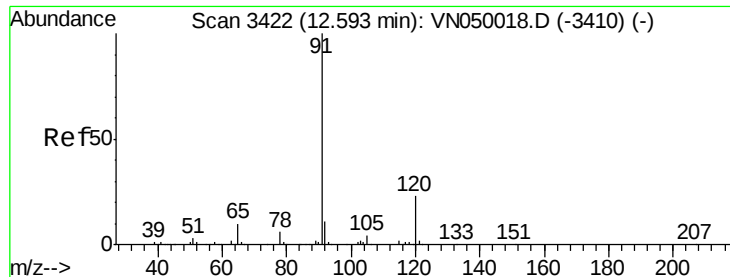
120 28.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

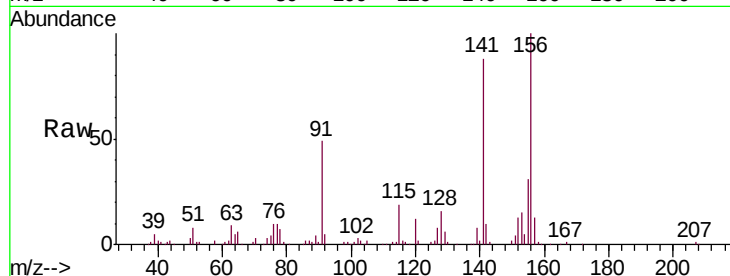




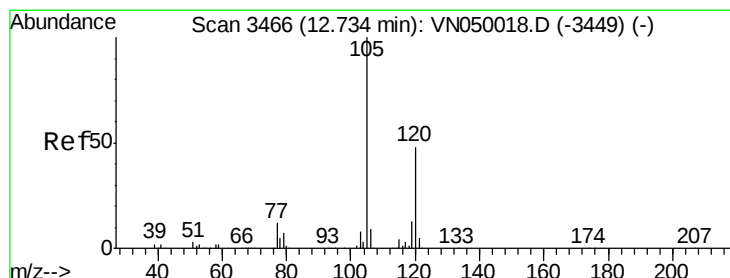
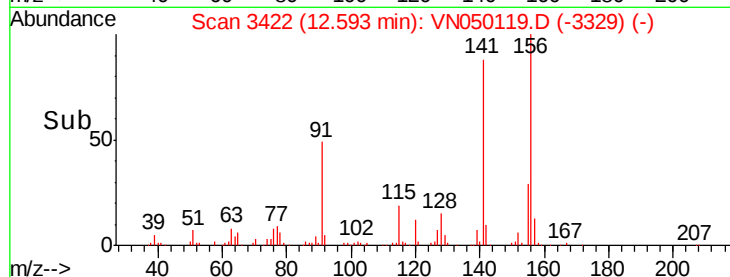
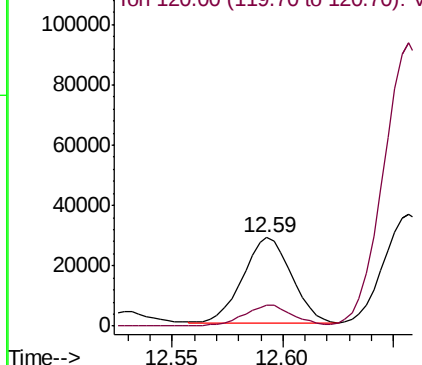
#78
n-propylbenzene
Concen: 0.92 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN050119.D
Acq: 27 Jul 2018 7:22

Instrument :
MSVOA_N
ClientSampled :
MW-7BD

Tot Ion: 91 Resp: 43058
Ion Ratio Lower Upper
91 100
120 25.4 11.6 34.7

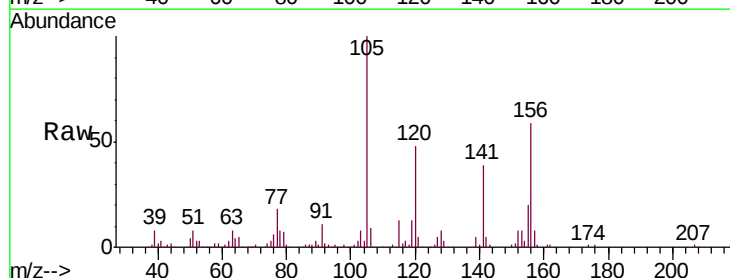


Abundance Ion 91.00 (90.70 to 91.70): VN050119.D (-3329) (-)
Ion 120.00 (119.70 to 120.70): VN050119.D (-3329) (-)

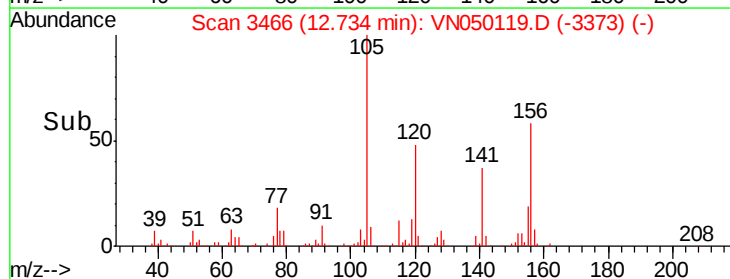
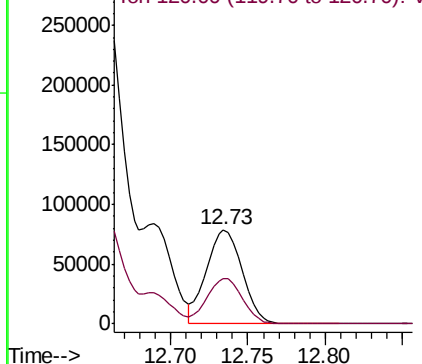


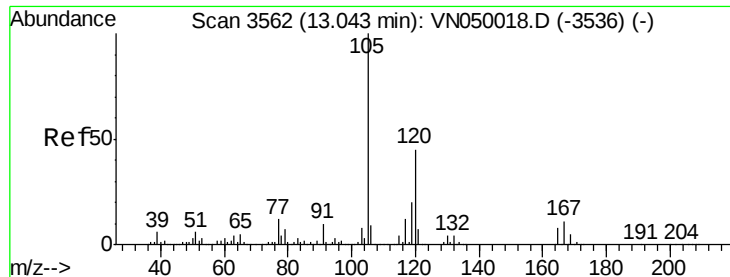
#80
1,3,5-Trimethylbenzene
Concen: 3.89 ug/l
RT: 12.73 min Scan# 3466
Delta R.T. 0.00 min
Lab File: VN050119.D
Acq: 27 Jul 2018 7:22

Tgt Ion: 105 Resp: 127789
Ion Ratio Lower Upper
105 100
120 47.3 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050119.D (-3373) (-)
Ion 120.00 (119.70 to 120.70): VN050119.D (-3373) (-)

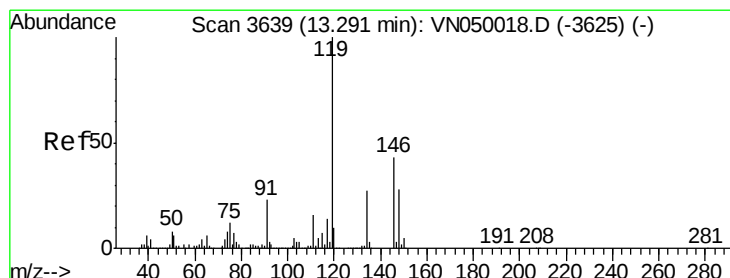
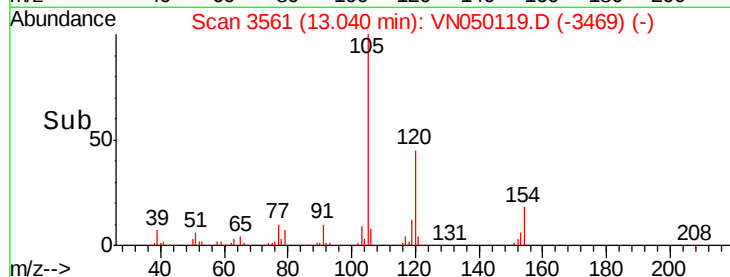
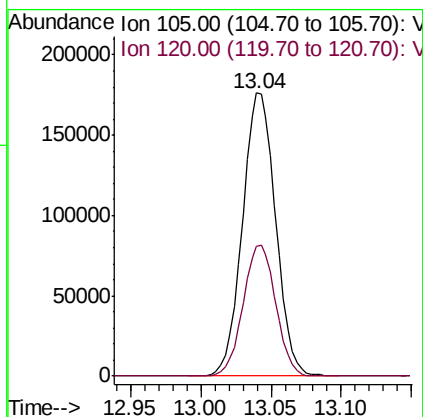
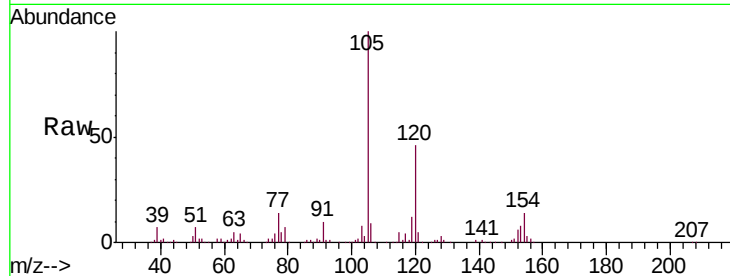




#84
 1,2,4-Trimethylbenzene
 Concen: 8.77 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050119.D
 Acq: 27 Jul 2018 7:22

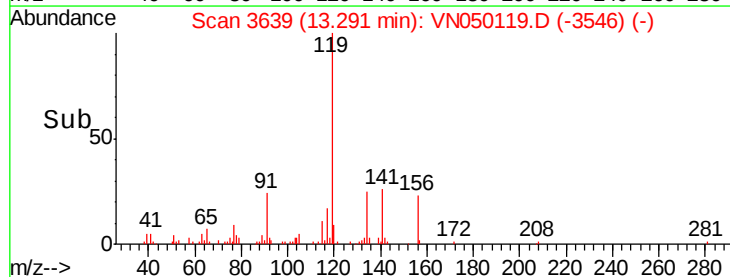
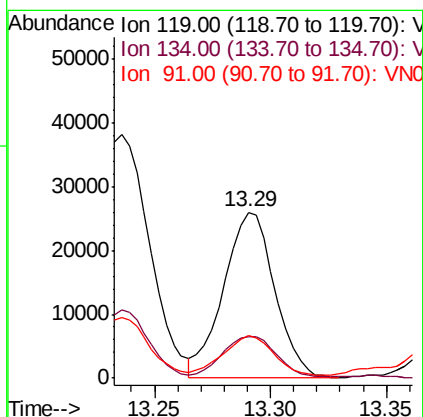
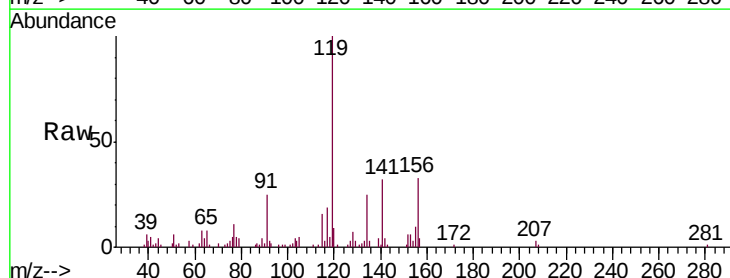
Instrument :
 MSVOA_N
 ClientSampled :
 MW-7BD

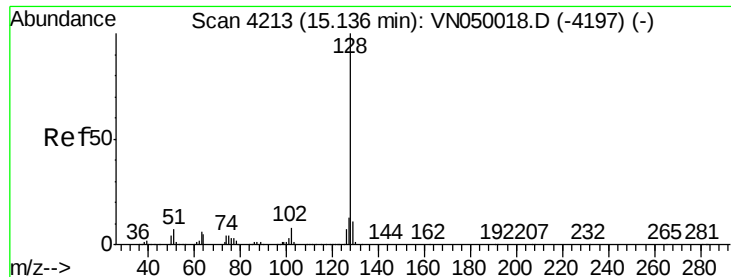
Tot Ion:105 Resp: 290254
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.7



#86
 p-Isopropyltoluene
 Concen: 1.24 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050119.D
 Acq: 27 Jul 2018 7:22

Tgt Ion:119 Resp: 39906
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.3 39.8
 91 23.4 11.4 34.2





#95
Naphthalene
Concen: 271.14 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050119.D
Acq: 27 Jul 2018 7:22

Instrument :
MSVOA_N
ClientSampleId :
MW-7BD

Tot Ion:128 Resp: 7189818
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.8 8.8 13.2

