

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021119\
 Data File : VN053718.D
 Acq On : 11 Feb 2019 21:15
 Operator : JC/SP
 Sample : K1448-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30226

Quant Time: Feb 11 23:40:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	732100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1245797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1173499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	570086	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	390054	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	
35) Dibromofluoromethane	7.59	113	386701	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
50) Toluene-d8	10.09	98	1525486	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.40	95	557805	56.59	ug/l	0.00
Spiked Amount			Recovery	=	113.18%	

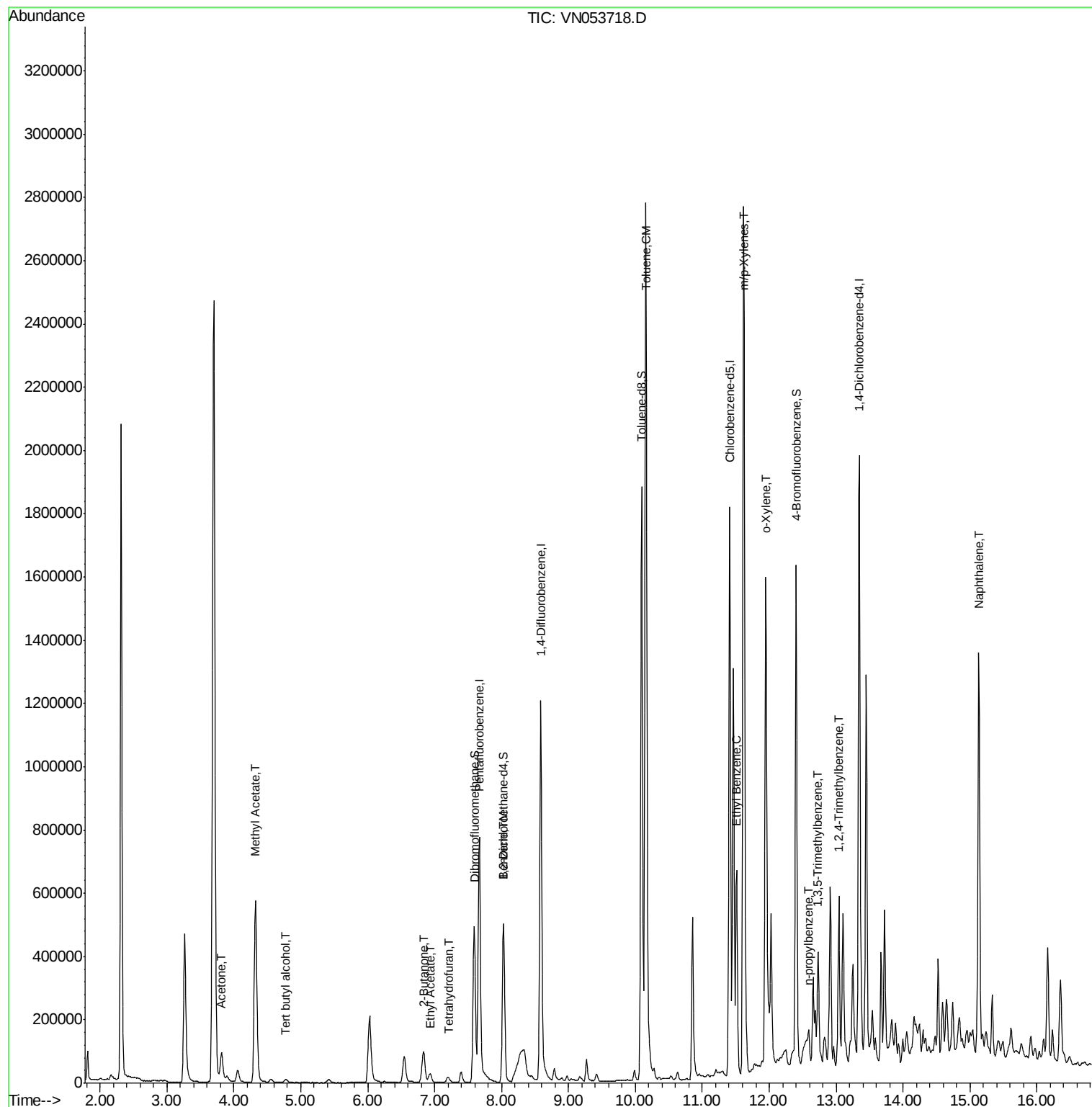
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	18550	42.677	ug/l #	83
16) Acetone	3.82	43	138897	73.730	ug/l	88
18) Methyl Acetate	4.32	43	1096208	196.486	ug/l	99
25) 2-Butanone	6.84	43	146965	54.699	ug/l	96
29) Tetrahydrofuran	7.22	42	6392	3.705	ug/l #	81
37) Ethyl Acetate	6.93	43	52735	8.408	ug/l	99
40) Benzene	8.04	78	70371	2.032	ug/l	99
52) Toluene	10.16	92	1400003	68.116	ug/l	99
67) Ethyl Benzene	11.51	91	500490	12.223	ug/l	99
68) m/p-Xylenes	11.62	106	950158	60.800	ug/l	99
69) o-Xylene	11.95	106	432254	28.630	ug/l	99
78) n-propylbenzene	12.59	91	52215	1.127	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	102834	3.094	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	318880	9.418	ug/l	100
95) Naphthalene	15.13	128	1135243	45.494	ug/l	100

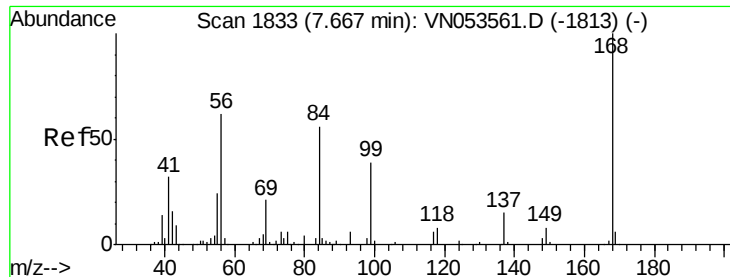
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053718.D

Acq: 11 Feb 2019 21:15

Instrument :

MSVOA_N

ClientSampleId :

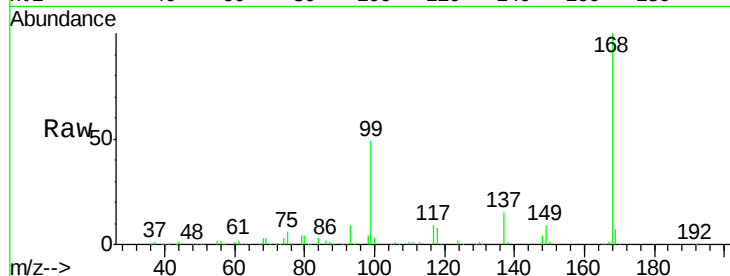
30226

Tot Ion:168 Resp: 732100

Ion Ratio Lower Upper

168 100

99 49.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

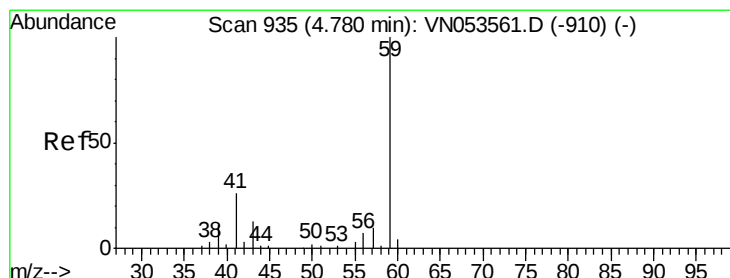
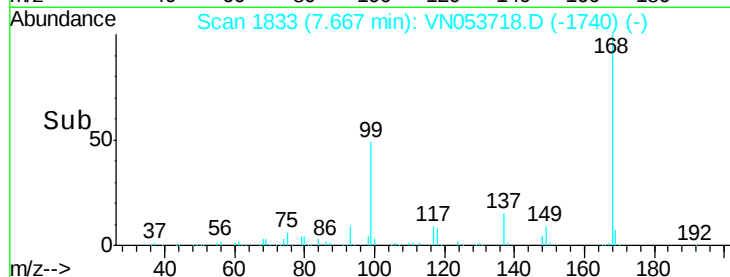
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 42.677 ug/l

RT: 4.78 min Scan# 936

Delta R.T. 0.00 min

Lab File: VN053718.D

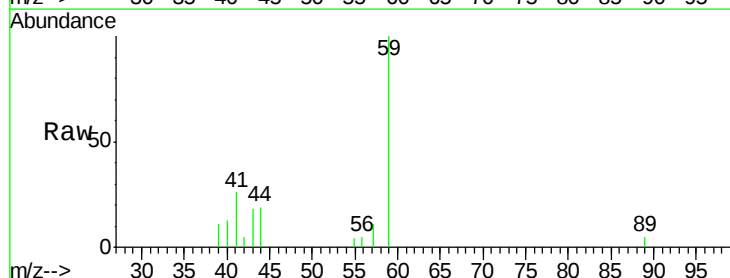
Acq: 11 Feb 2019 21:15

Tgt Ion: 59 Resp: 18550

Ion Ratio Lower Upper

59 100

57 4.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.78

6000

5000

4000

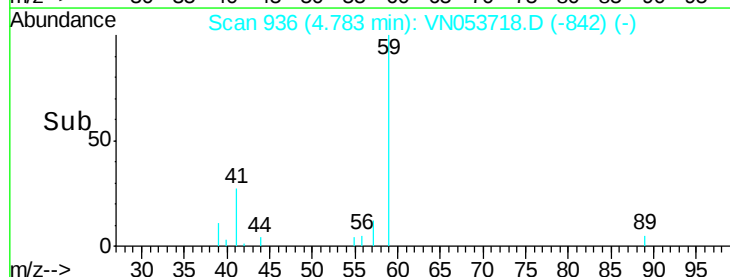
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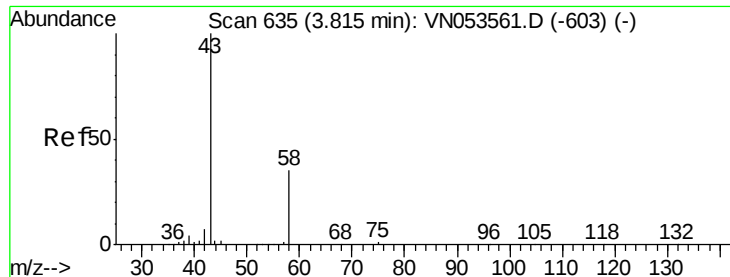
2000

1000

0

Time-->





#16

Acetone

Concen: 73.730 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053718.D

Acq: 11 Feb 2019 21:15

Instrument :

MSVOA_N

ClientSampleId :

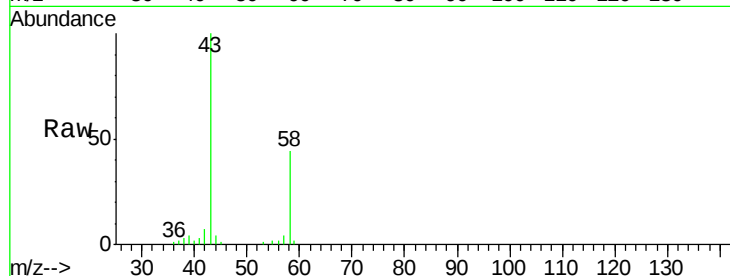
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Tot Ion: 43 Resp: 138897

Ion Ratio Lower Upper

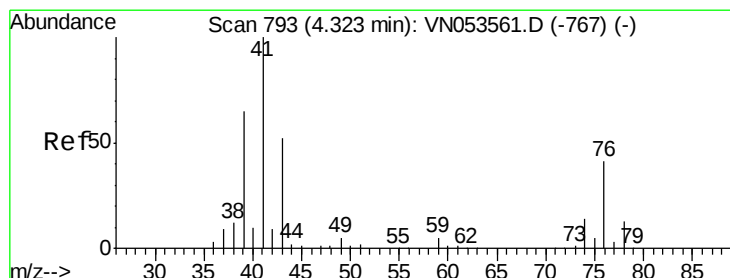
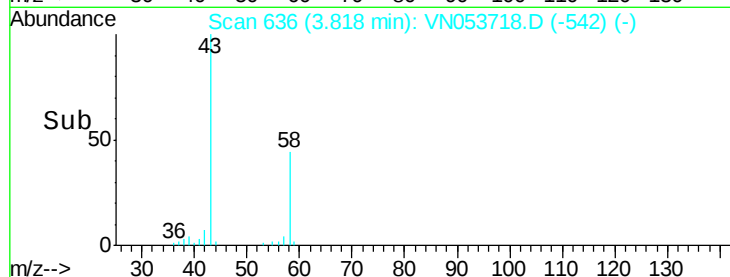
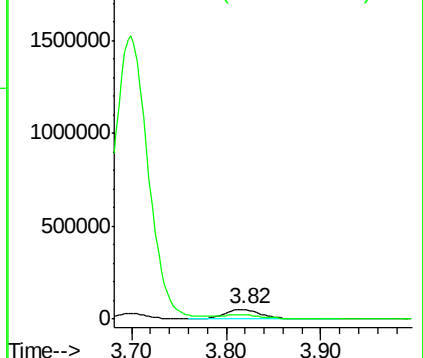
43 100

58 40.6 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 196.486 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053718.D

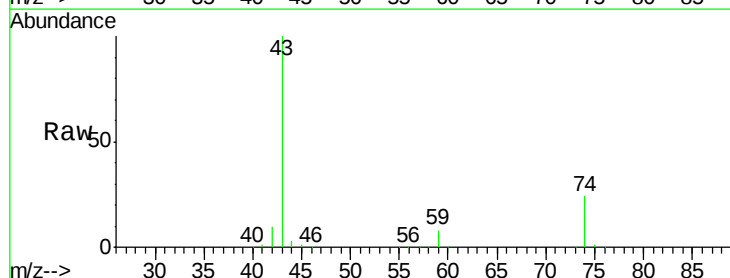
Acq: 11 Feb 2019 21:15

Tgt Ion: 43 Resp: 1096208

Ion Ratio Lower Upper

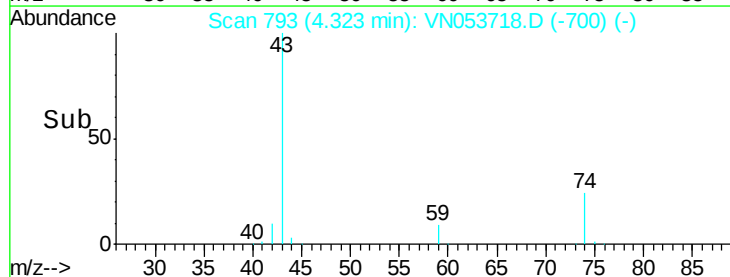
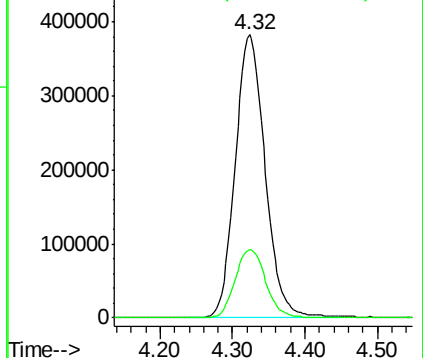
43 100

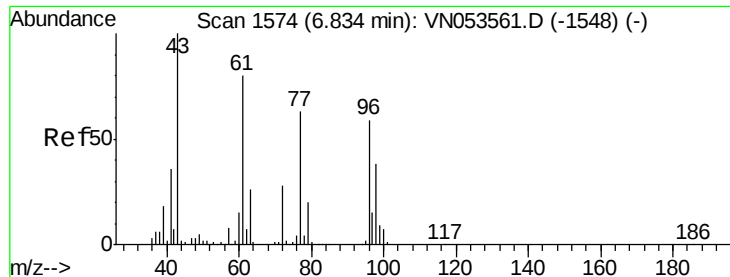
74 25.0 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

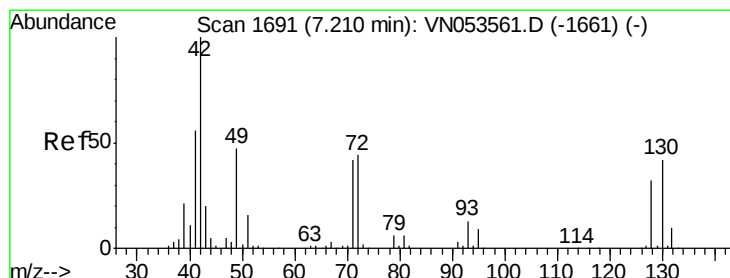
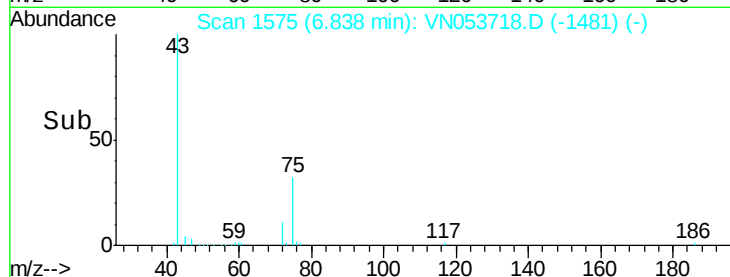
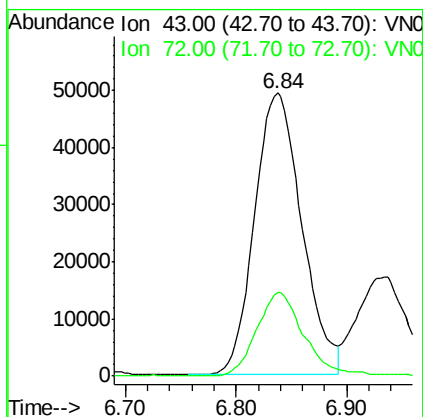
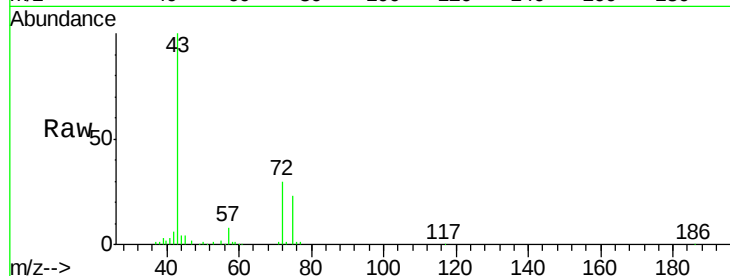




#25
2-Butanone
Concen: 54.699 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053718.D
Acq: 11 Feb 2019 21:15

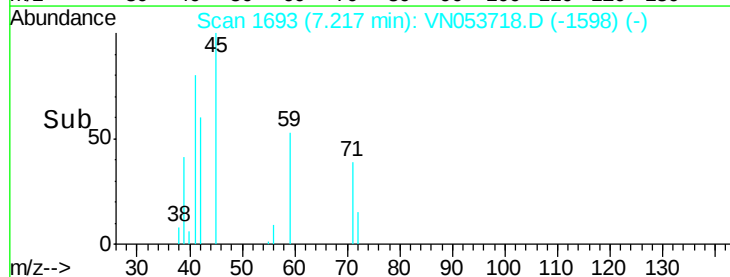
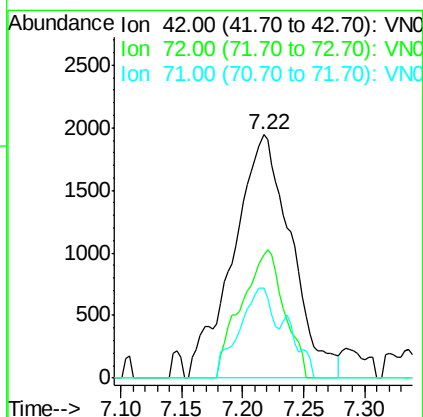
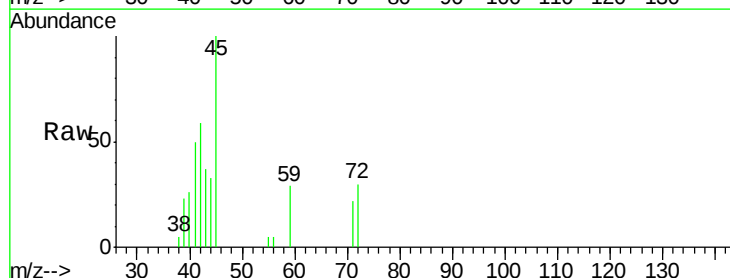
Instrument :
MSVOA_N
ClientSampled :
30226

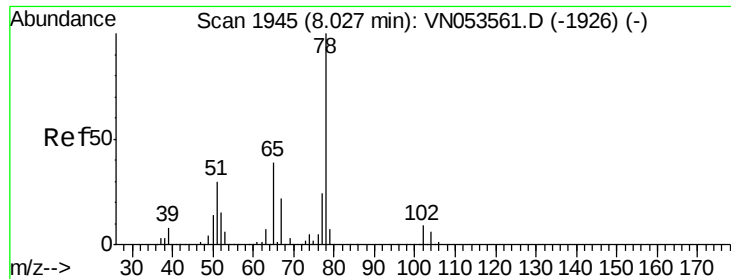
Tot Ion: 43 Resp: 146965
Ion Ratio Lower Upper
43 100
72 29.7 22.0 33.0



#29
Tetrahydrofuran
Concen: 3.705 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN053718.D
Acq: 11 Feb 2019 21:15

Tgt Ion: 42 Resp: 6392
Ion Ratio Lower Upper
42 100
72 39.1 35.2 52.8
71 22.1 33.0 49.4#

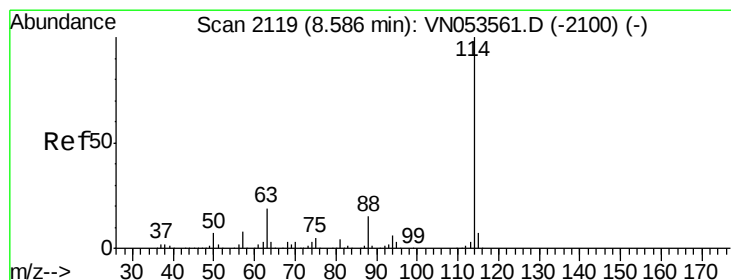
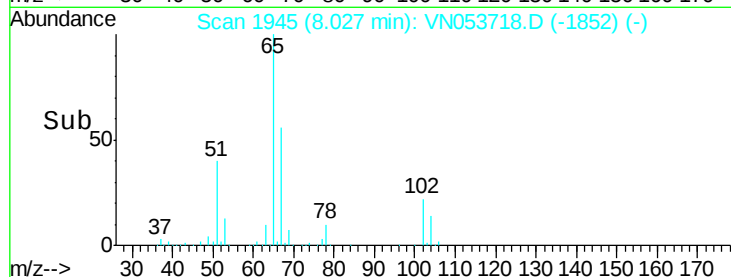
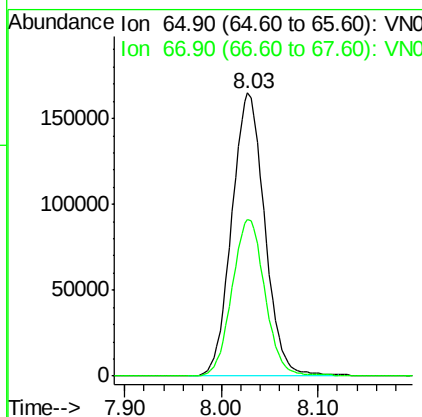
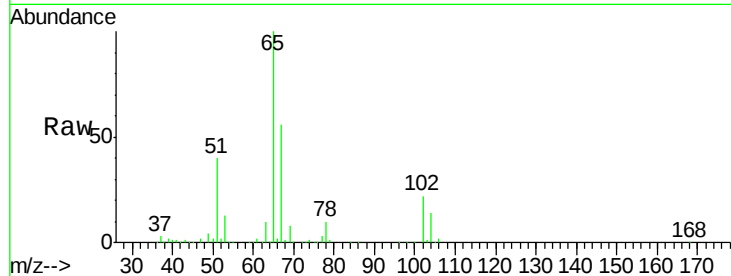




#33
 1,2-Dichloroethane-d4
 Concen: 53.109 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053718.D
 Acq: 11 Feb 2019 21:15

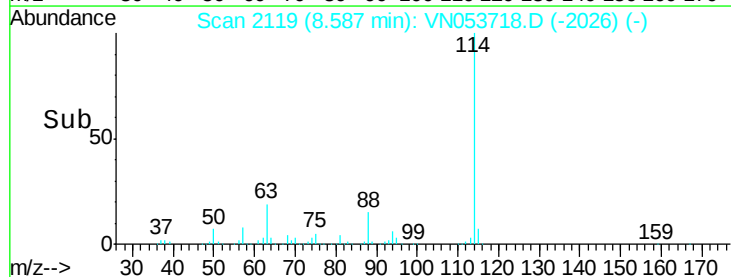
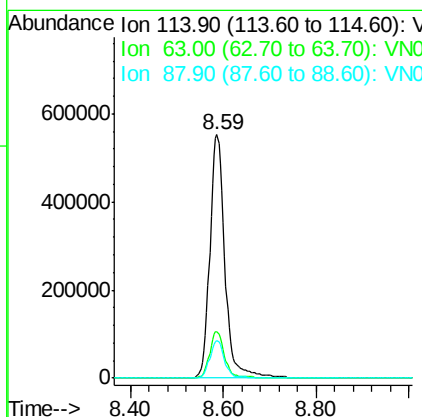
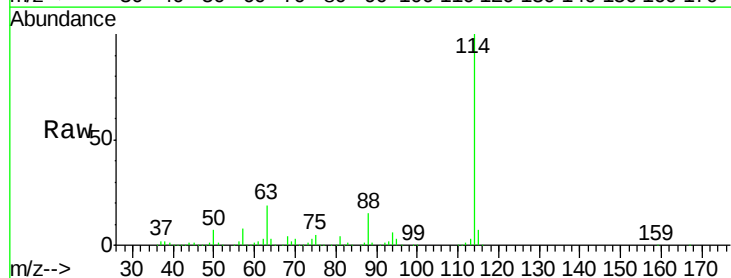
Instrument :
 MSVOA_N
 ClientSampled :
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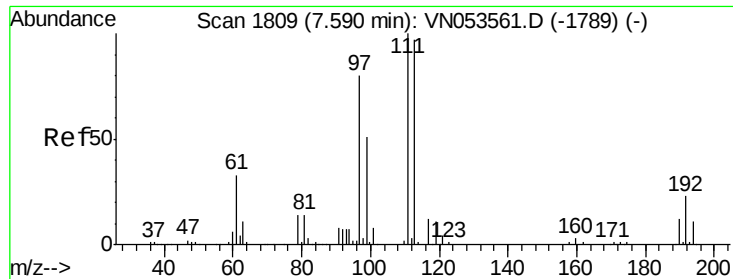
Tot Ion: 65 Resp: 390054
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053718.D
 Acq: 11 Feb 2019 21:15

Tgt Ion: 114 Resp: 1245797
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 15.3 0.0 30.4

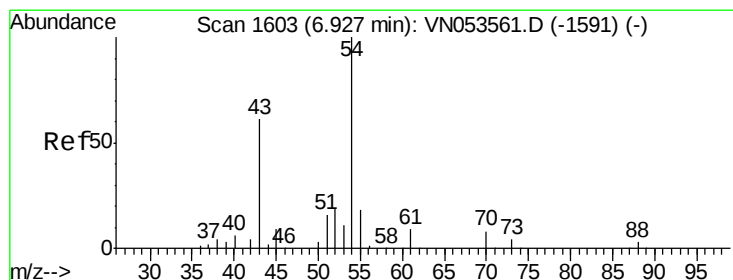
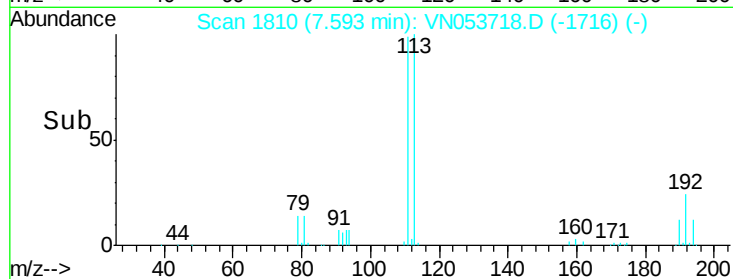
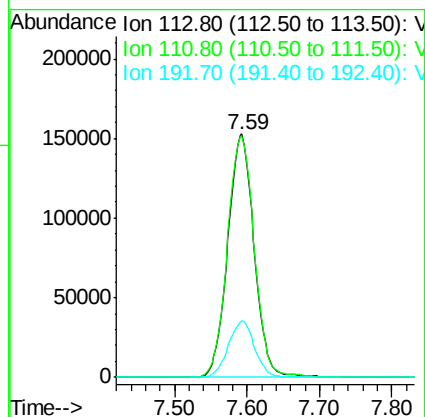
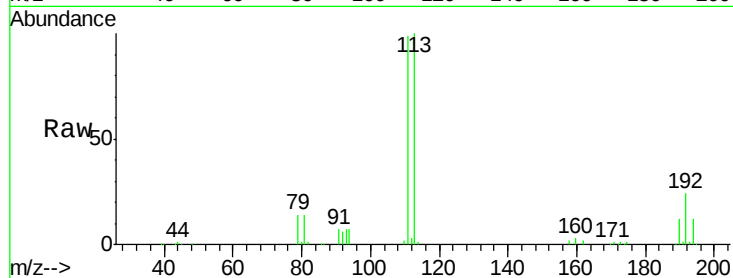




#35
 Dibromofluoromethane
 Concen: 49.125 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053718.D
 Acq: 11 Feb 2019 21:15

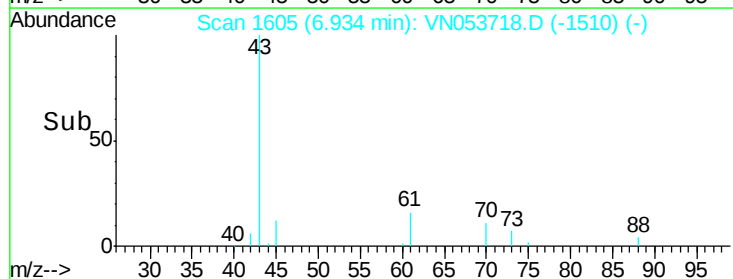
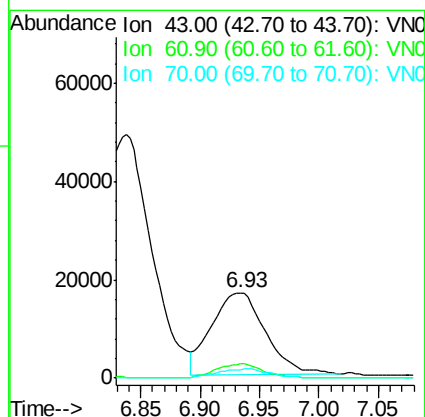
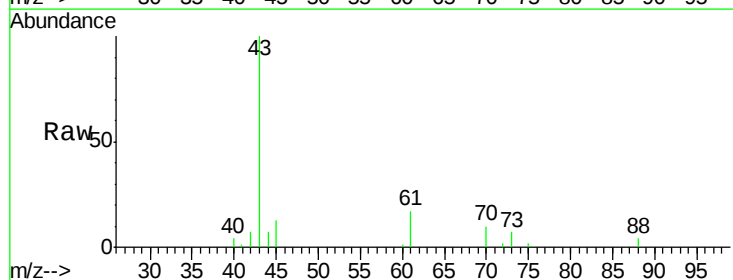
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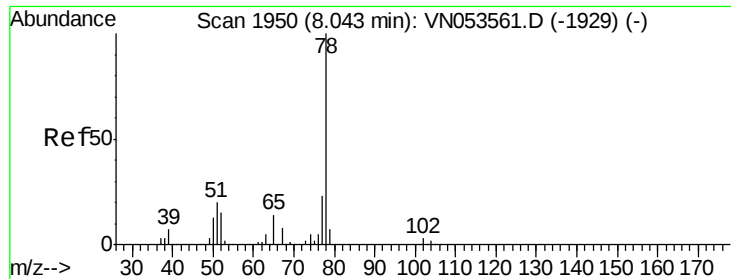
Tot Ion:113 Resp: 386701
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.1 121.7
 192 23.1 18.2 27.2



#37
 Ethyl Acetate
 Concen: 8.408 ug/l
 RT: 6.93 min Scan# 1605
 Delta R.T. 0.01 min
 Lab File: VN053718.D
 Acq: 11 Feb 2019 21:15

Tgt Ion: 43 Resp: 52735
 Ion Ratio Lower Upper
 43 100
 61 15.2 11.8 17.6
 70 11.0 8.6 12.8





#40

Benzene

Concen: 2.032 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN053718.D

Acq: 11 Feb 2019 21:15

Instrument :

MSVOA_N

ClientSampleId :

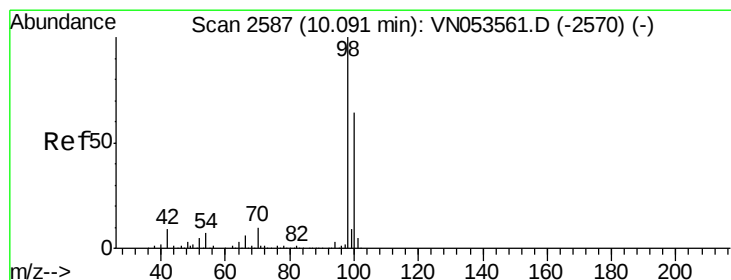
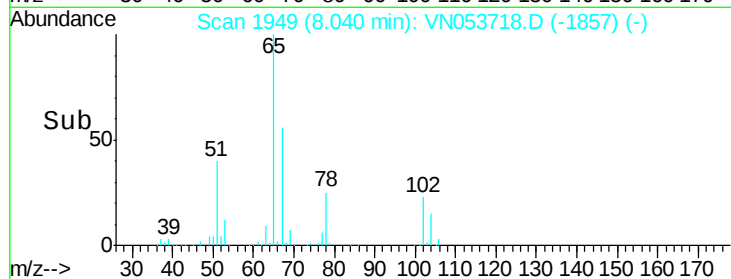
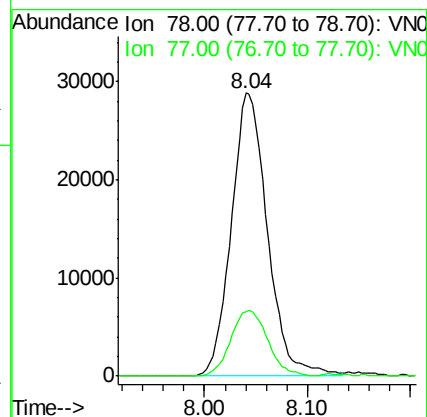
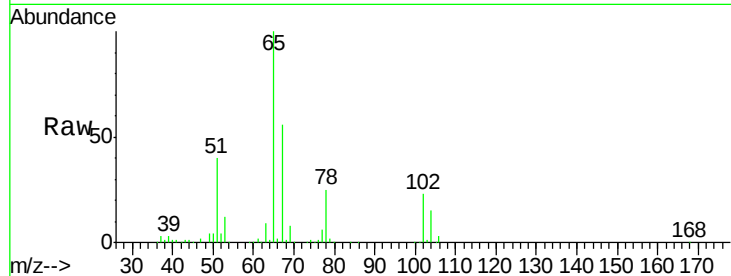
30226

Tot Ion: 78 Resp: 70371

Ion Ratio Lower Upper

78 100

77 23.0 18.8 28.2



#50

Toluene-d8

Concen: 51.611 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053718.D

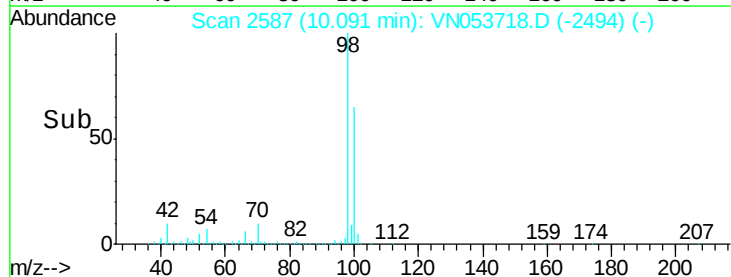
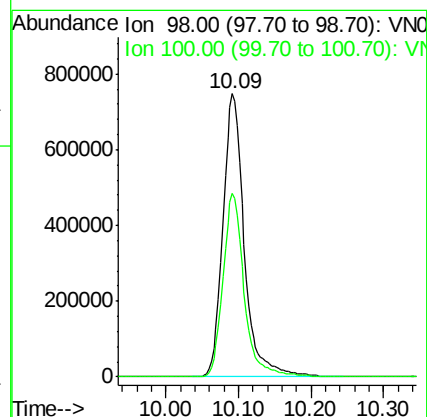
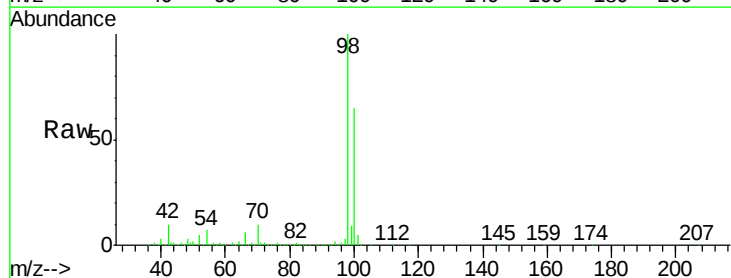
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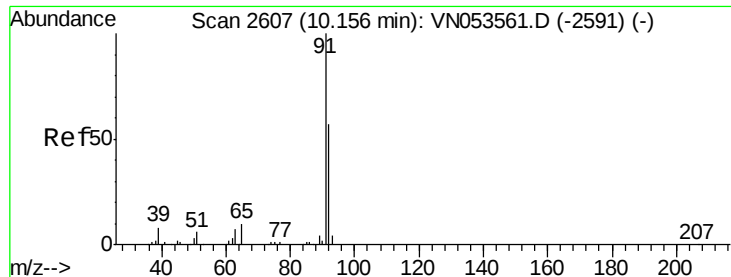
Tgt Ion: 98 Resp: 1525486

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0





#52

Toluene

Concen: 68.116 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053718.D

Acq: 11 Feb 2019 21:15

Instrument :

MSVOA_N

ClientSampled :

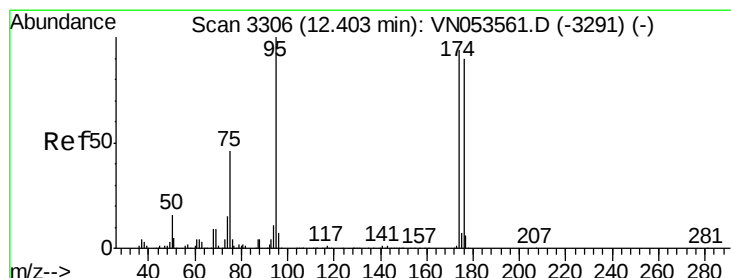
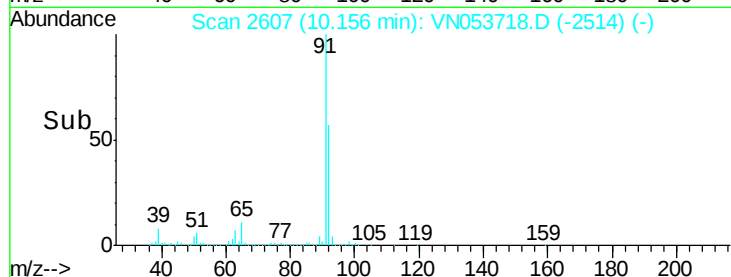
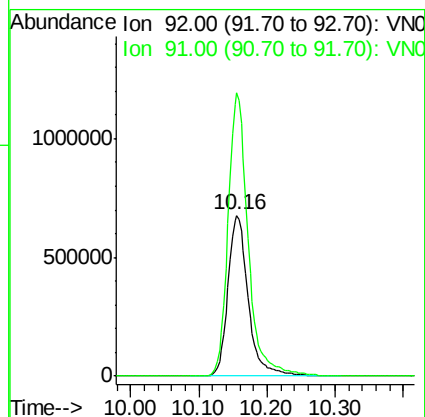
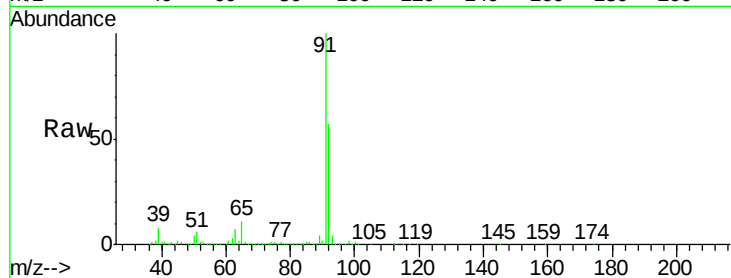
30226

Tot Ion: 92 Resp: 1400003

Ion Ratio Lower Upper

92 100

91 173.9 139.9 209.9



#62

4-Bromofluorobenzene

Concen: 56.585 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053718.D

Acq: 11 Feb 2019 21:15

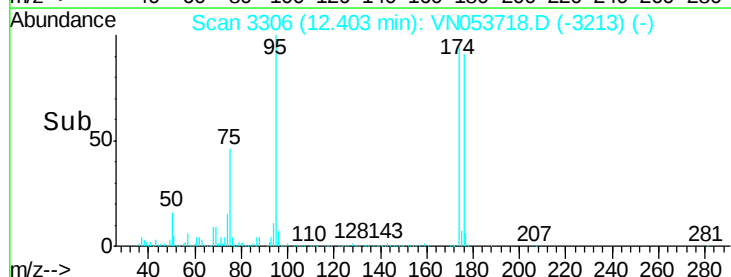
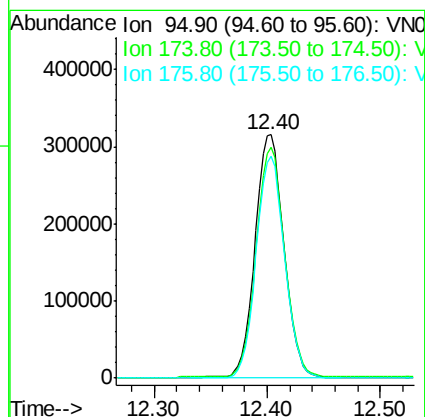
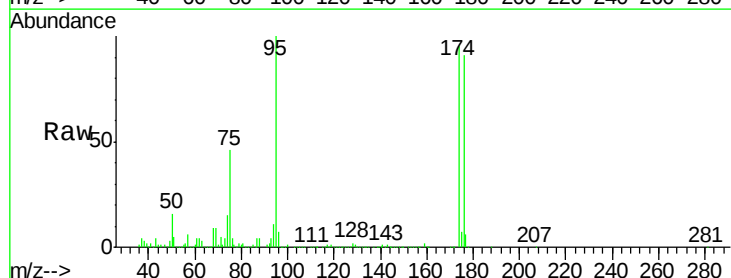
Tgt Ion: 95 Resp: 557805

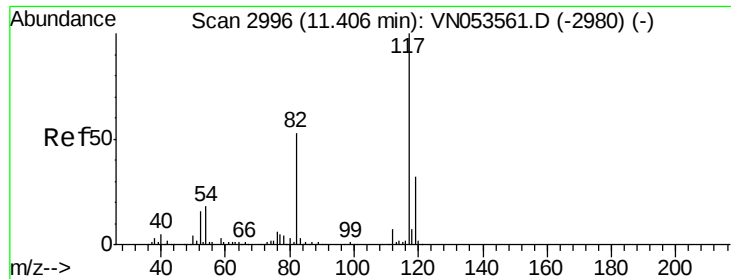
Ion Ratio Lower Upper

95 100

174 93.3 0.0 183.2

176 90.1 0.0 177.4

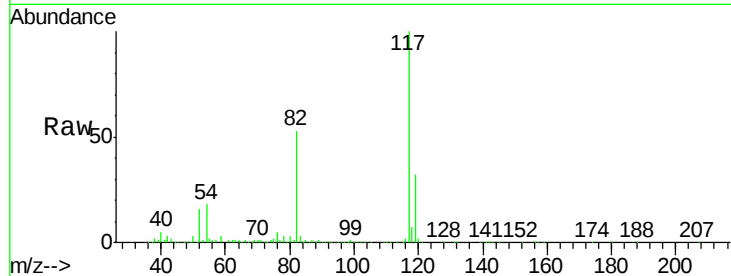




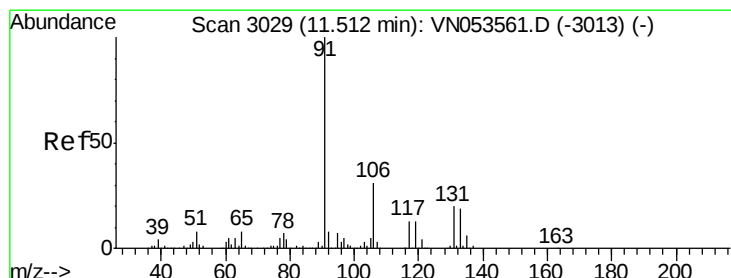
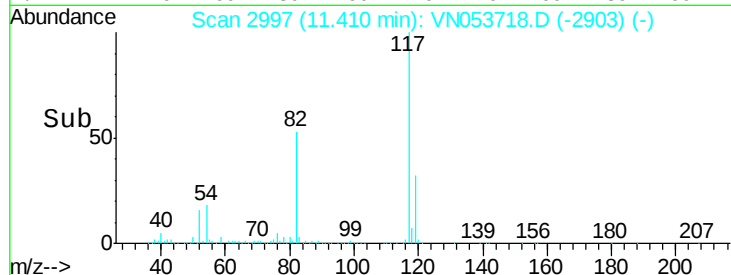
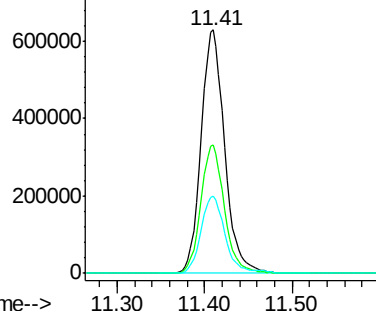
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053718.D
Acq: 11 Feb 2019 21:15

Instrument :
MSVOA_N
ClientSampled :
30226

Tot Ion:117 Resp: 1173499
Ion Ratio Lower Upper
117 100
82 52.7 42.9 64.3
119 31.9 26.0 39.0

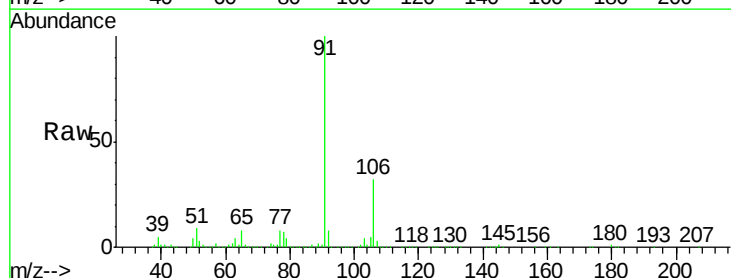


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

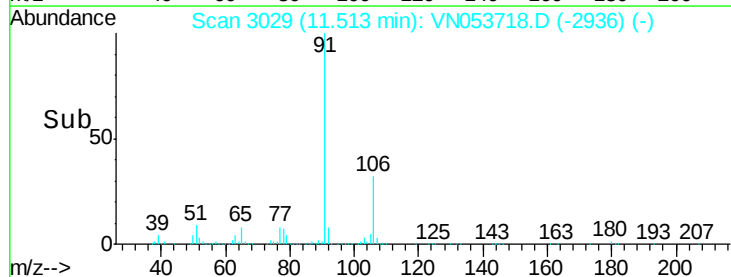
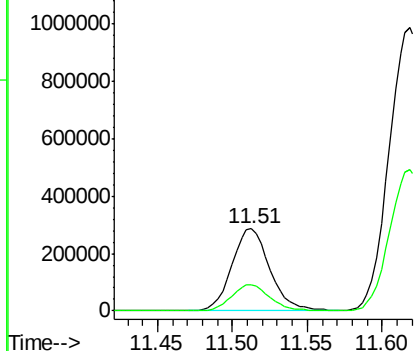


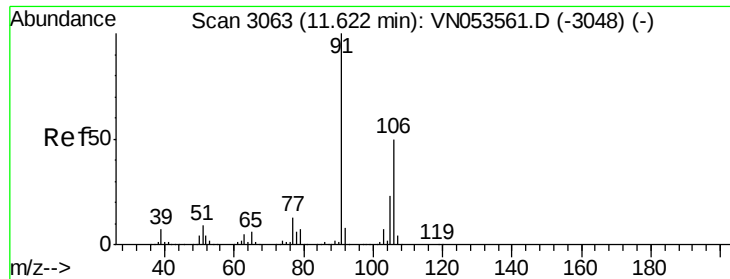
#67
Ethyl Benzene
Concen: 12.223 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053718.D
Acq: 11 Feb 2019 21:15

Tgt Ion: 91 Resp: 500490
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.6



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





#68

m/p-Xylenes

Concen: 60.800 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053718.D

Acq: 11 Feb 2019 21:15

Instrument :

MSVOA_N

ClientSampleId :

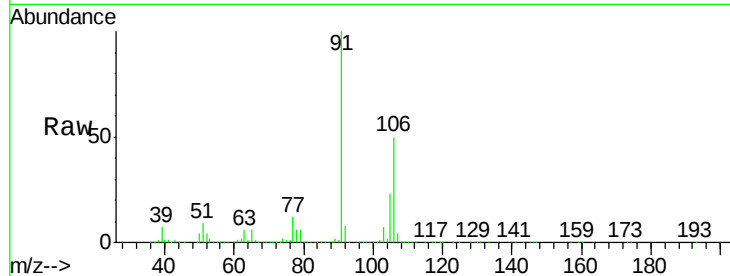
30226

Tot Ion:106 Resp: 950158

Ion Ratio Lower Upper

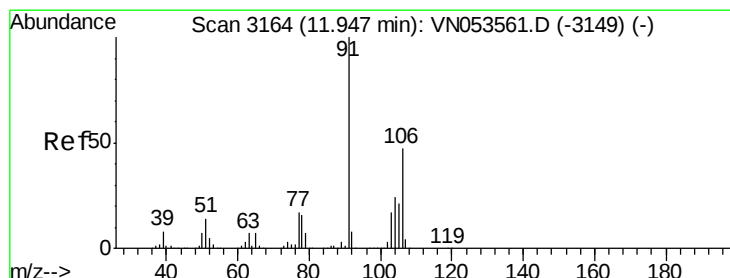
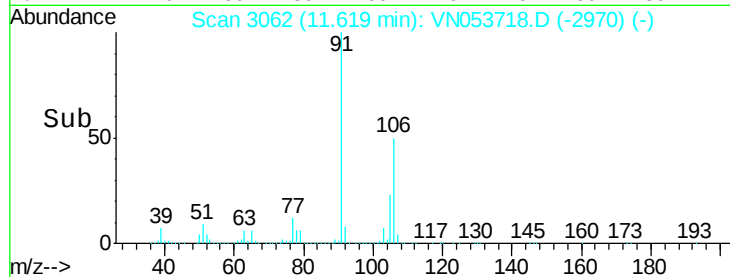
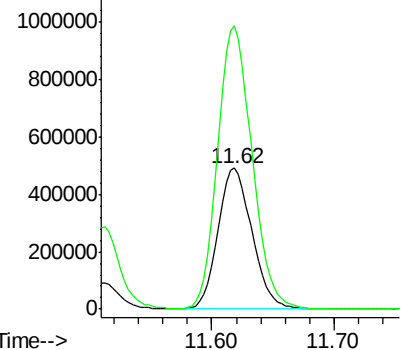
106 100

91 203.4 161.4 242.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 28.630 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN053718.D

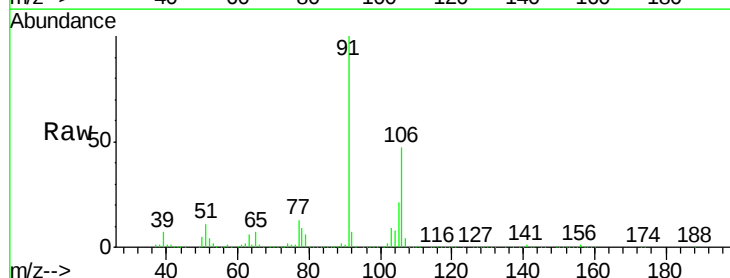
Acq: 11 Feb 2019 21:15

Tgt Ion:106 Resp: 432254

Ion Ratio Lower Upper

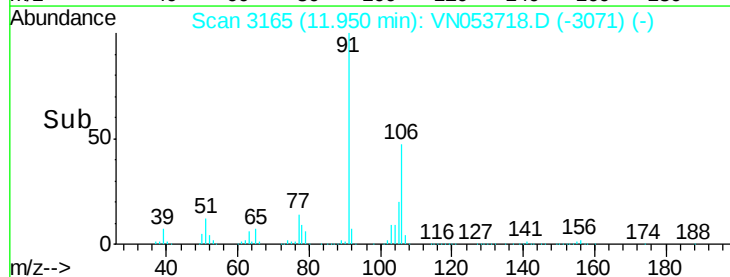
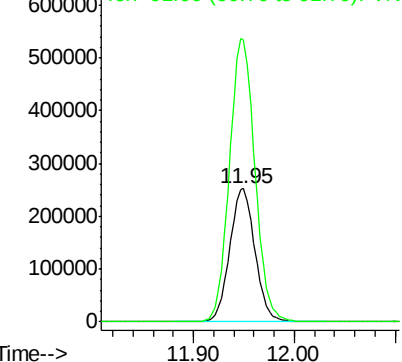
106 100

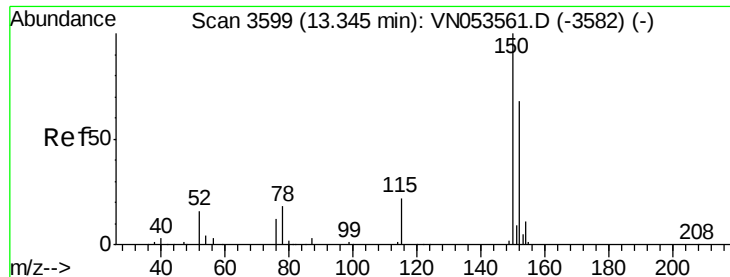
91 214.9 106.9 320.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053718.D

Acq: 11 Feb 2019 21:15

Instrument :

MSVOA_N

ClientSampleId :

30226

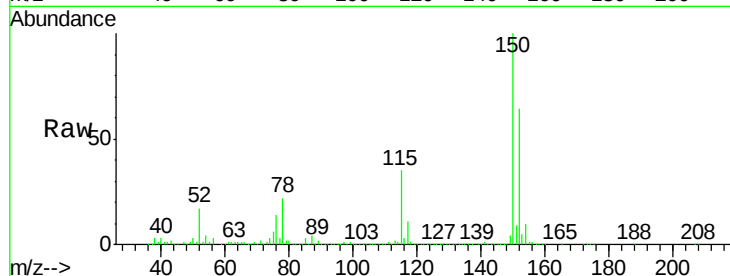
Tot Ion:152 Resp: 570086

Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.4

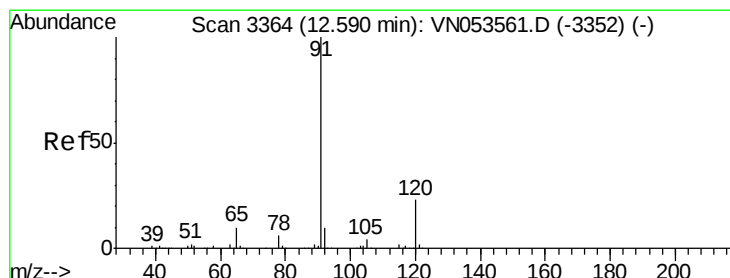
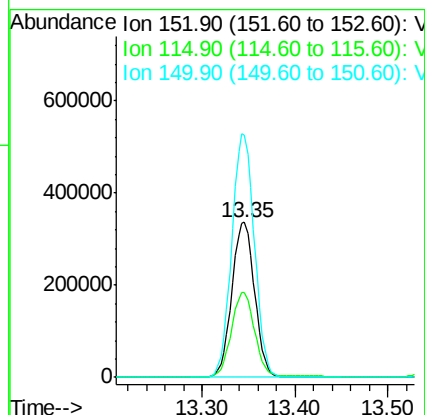
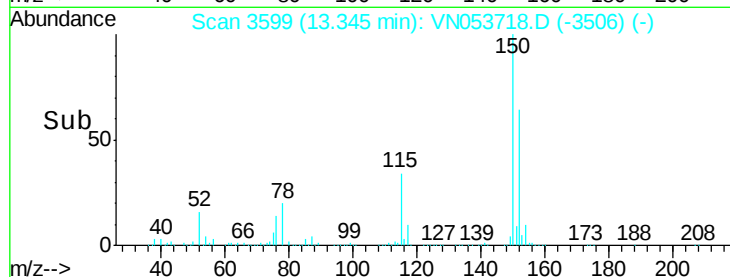
150 156.2 0.0 349.0



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: 1.127 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053718.D

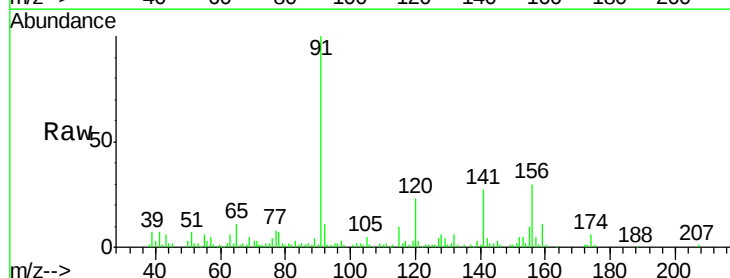
Acq: 11 Feb 2019 21:15

Tgt Ion: 91 Resp: 52215

Ion Ratio Lower Upper

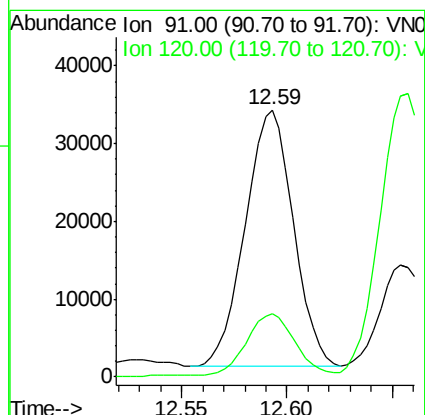
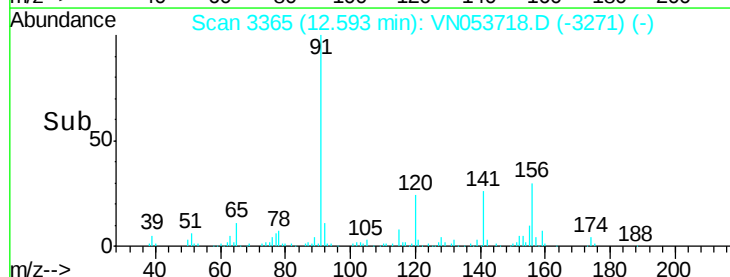
91 100

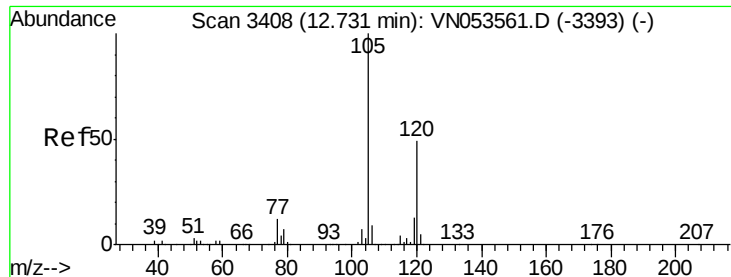
120 24.3 11.9 35.5



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: 3.094 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053718.D

Acq: 11 Feb 2019 21:15

Instrument :

MSVOA_N

ClientSampled :

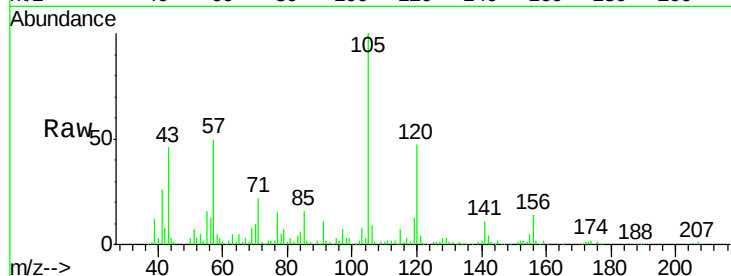
30226

Tot Ion:105 Resp: 102834

Ion Ratio Lower Upper

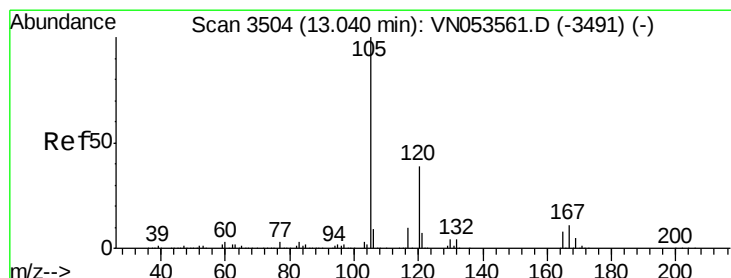
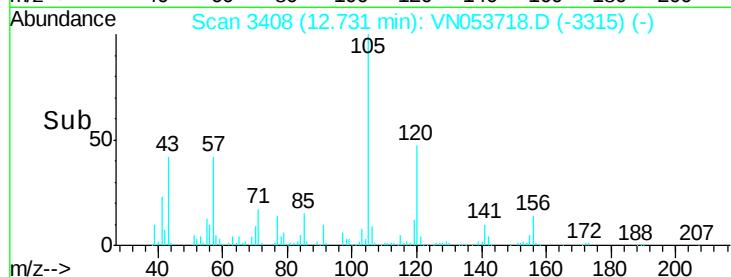
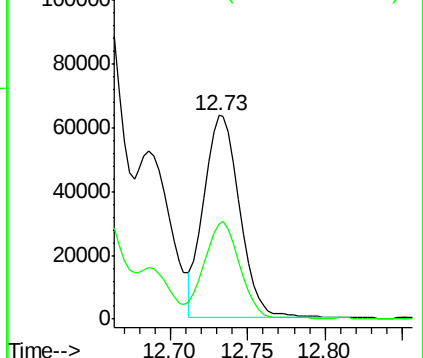
105 100

120 47.5 24.9 74.6



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: 9.418 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053718.D

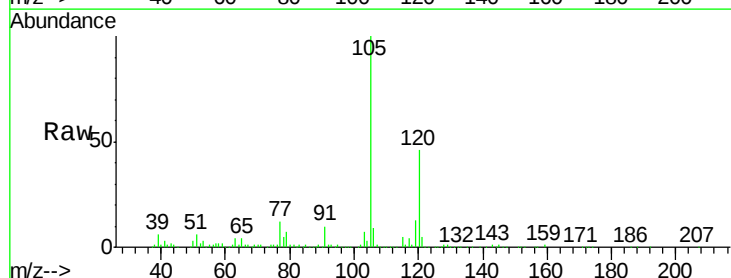
Acq: 11 Feb 2019 21:15

Tgt Ion:105 Resp: 318880

Ion Ratio Lower Upper

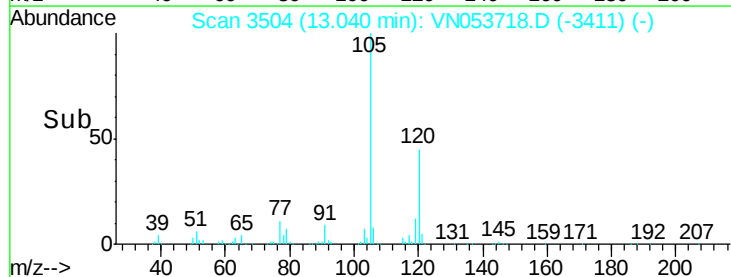
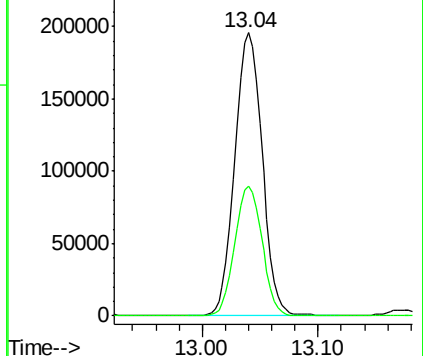
105 100

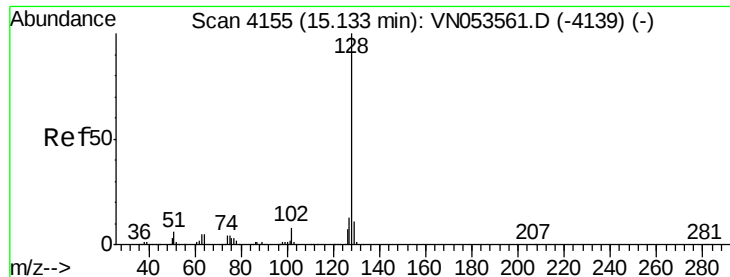
120 45.8 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 45.494 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053718.D

Acq: 11 Feb 2019 21:15

Instrument :

MSVOA_N

ClientSampleId :

30226

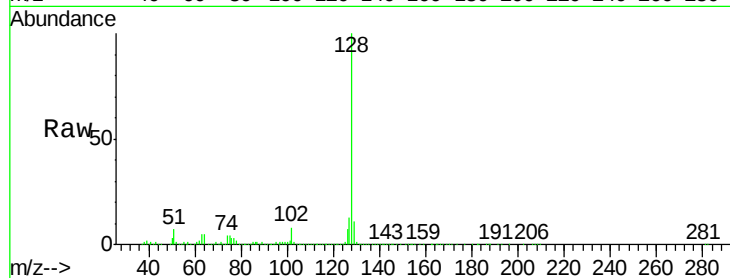
Tot Ion:128 Resp: 1135243

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 10.8 8.6 13.0



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

