

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022719\
 Data File : VN053988.D
 Acq On : 28 Feb 2019 00:11
 Operator : JC/SP
 Sample : K1632-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30238

Quant Time: Feb 28 08:03:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	614486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1147058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1102593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	451151	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	403205	55.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.96%	
35) Dibromofluoromethane	7.59	113	361570	48.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.50%	
50) Toluene-d8	10.09	98	1438258	52.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.18%	
62) 4-Bromofluorobenzene	12.40	95	505230	54.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.84%	

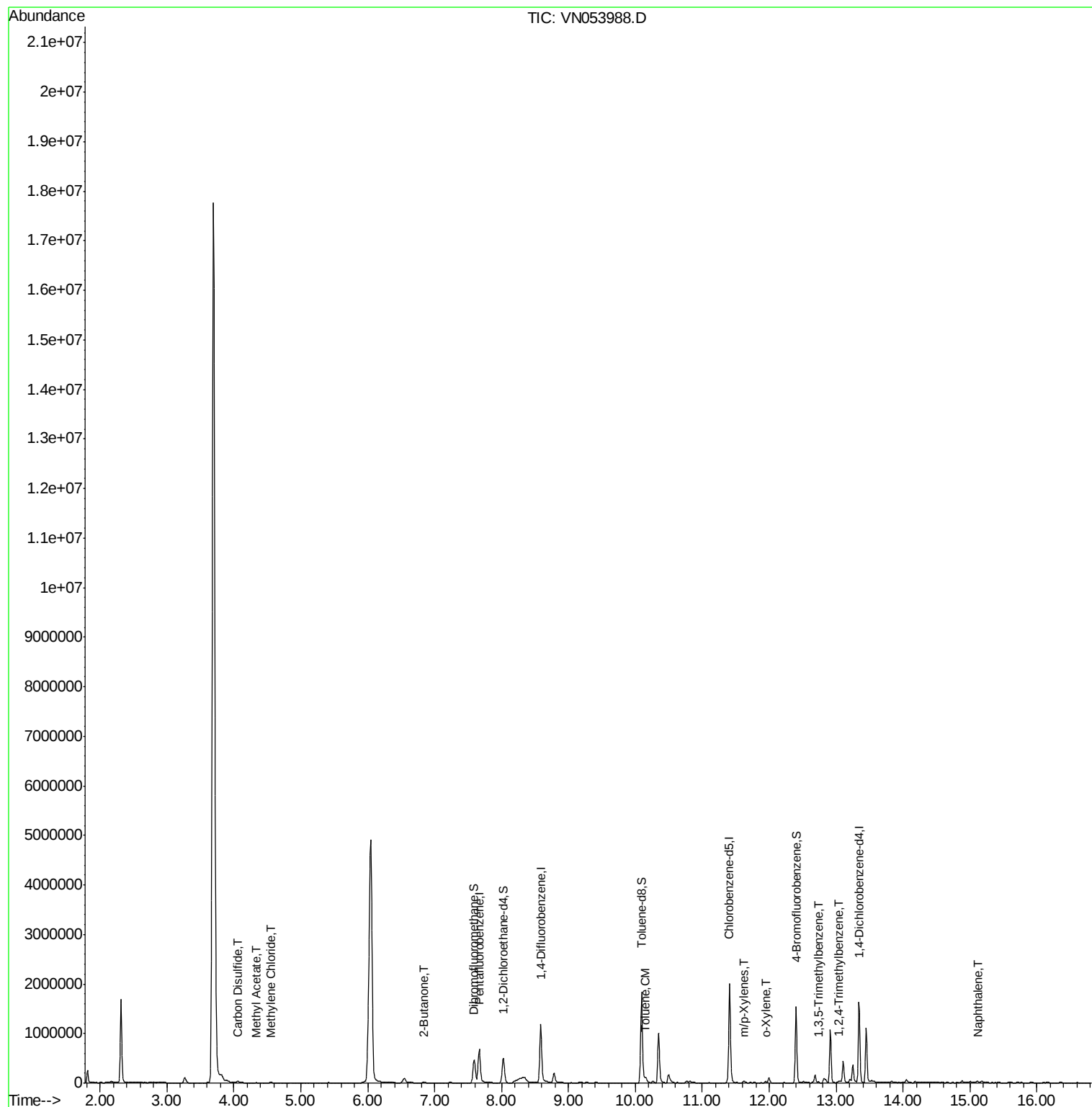
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Carbon Disulfide	4.05	76	4878	0.249	ug/l #	74
18) Methyl Acetate	4.33	43	9020	1.791	ug/l	91
20) Methylene Chloride	4.55	84	7368	1.034	ug/l #	84
25) 2-Butanone	6.84	43	34159	12.078	ug/l	91
52) Toluene	10.16	92	28011	1.452	ug/l	97
68) m/p-Xylenes	11.62	106	10844	0.737	ug/l	93
69) o-Xylene	11.95	106	5423	0.375	ug/l	86
80) 1,3,5-Trimethylbenzene	12.73	105	8375	0.291	ug/l	84
84) 1,2,4-Trimethylbenzene	13.04	105	19964	0.696	ug/l	99
95) Naphthalene	15.13	128	10437	3.759	ug/l #	82

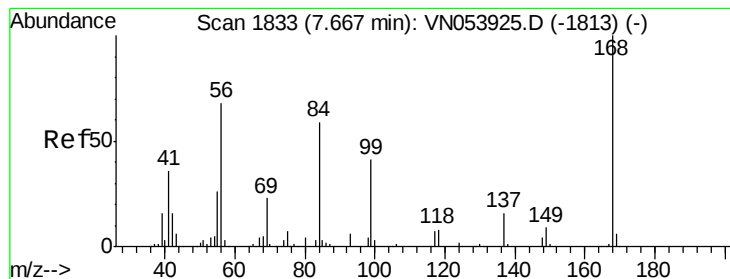
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053988.D

Acq: 28 Feb 2019 00:11

Instrument :

MSVOA_N

ClientSampled :

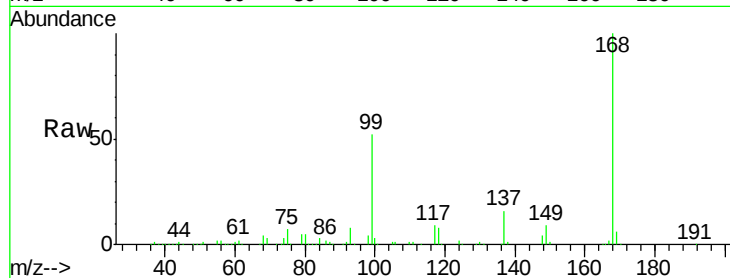
30238

Tot Ion:168 Resp: 614486

Ion Ratio Lower Upper

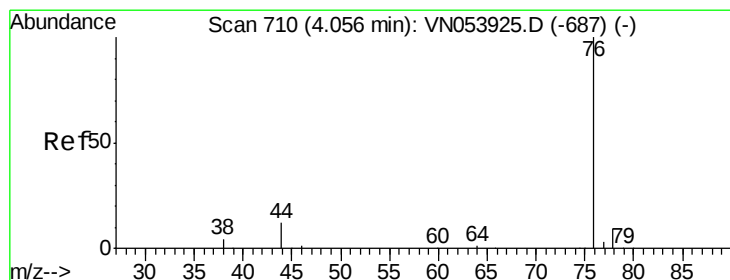
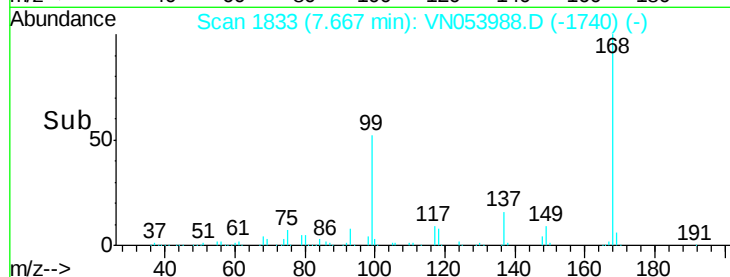
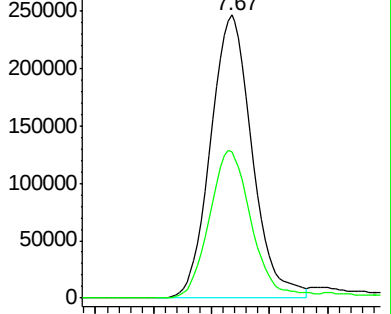
168 100

99 51.5 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#17

Carbon Disulfide

Concen: 0.249 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VN053988.D

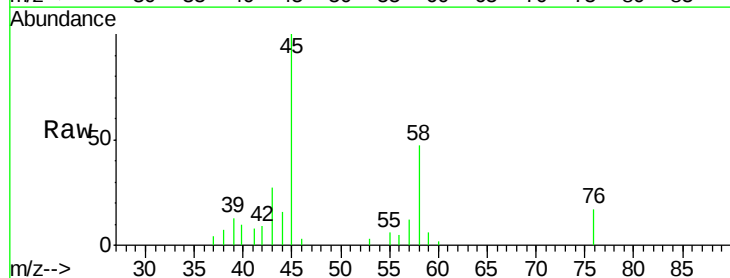
Acq: 28 Feb 2019 00:11

Tgt Ion: 76 Resp: 4878

Ion Ratio Lower Upper

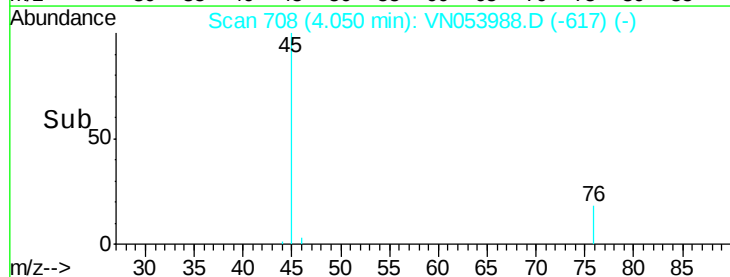
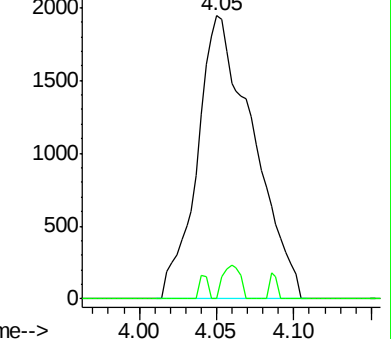
76 100

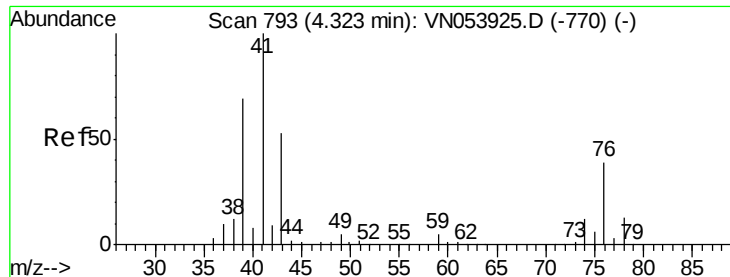
78 0.0 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

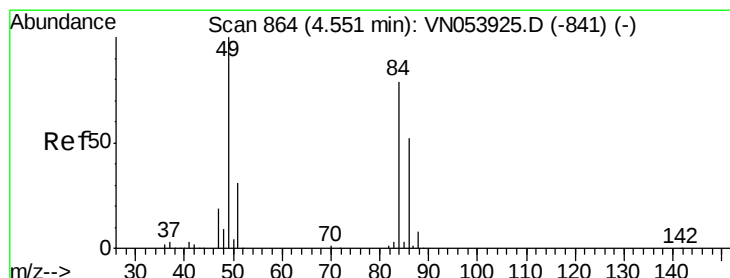
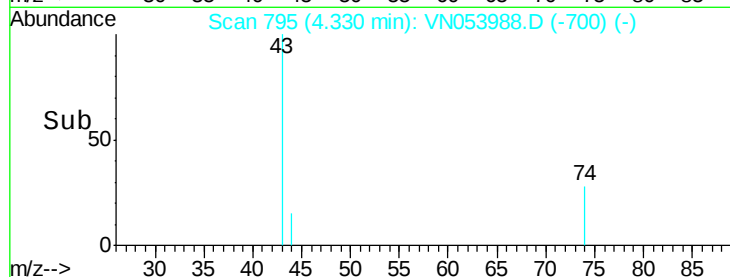
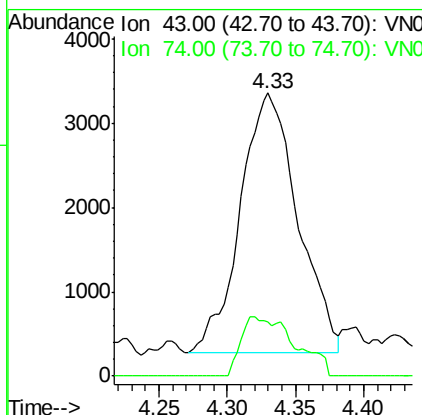
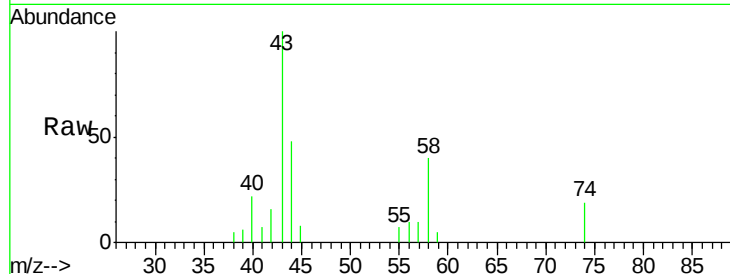




#18
Methyl Acetate
Concen: 1.791 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053988.D
Acq: 28 Feb 2019 00:11

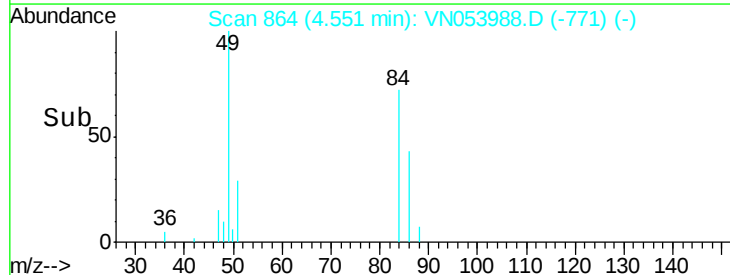
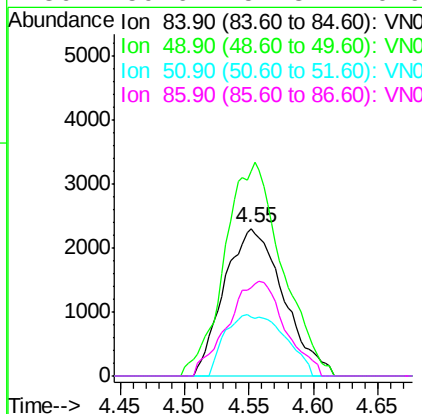
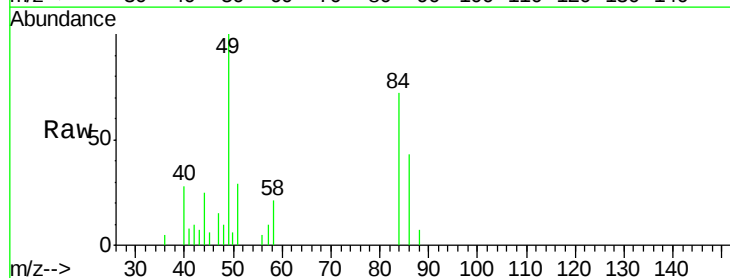
Instrument :
MSVOA_N
ClientSampled :
30238

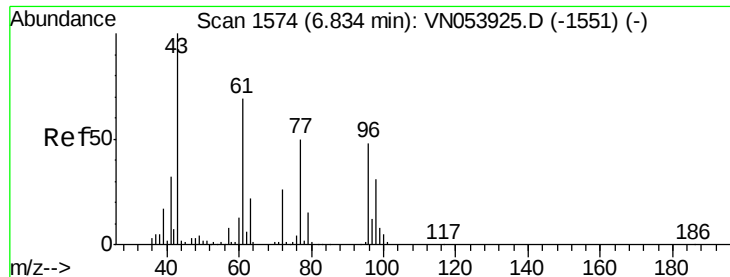
Tot Ion: 43 Resp: 9020
Ion Ratio Lower Upper
43 100
74 21.3 20.5 30.7



#20
Methylene Chloride
Concen: 1.034 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053988.D
Acq: 28 Feb 2019 00:11

Tgt Ion: 84 Resp: 7368
Ion Ratio Lower Upper
84 100
49 138.7 89.7 134.5#
51 39.9 27.8 41.8
86 59.6 51.3 76.9





#25

2-Butanone

Concen: 12.078 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN053988.D

Acq: 28 Feb 2019 00:11

Instrument :

MSVOA_N

ClientSampled :

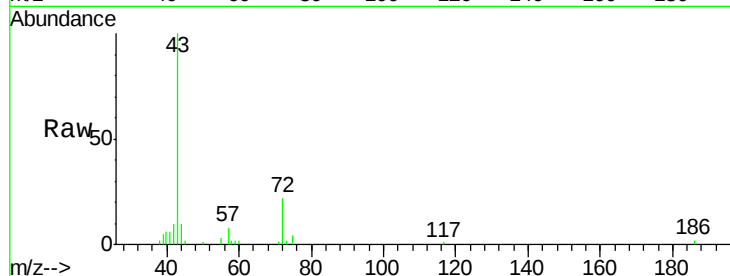
30238

Tot Ion: 43 Resp: 34159

Ion Ratio Lower Upper

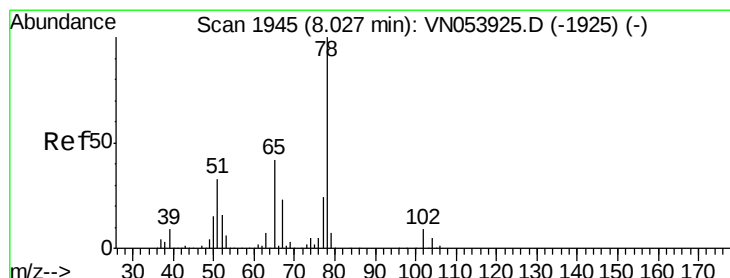
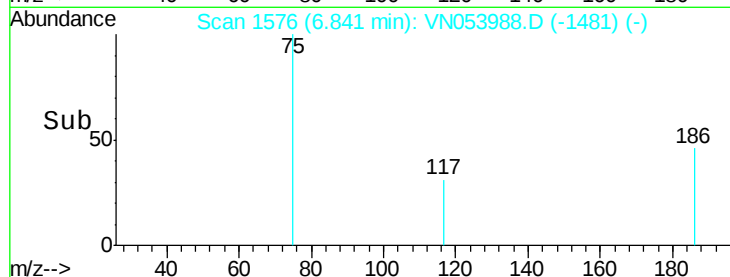
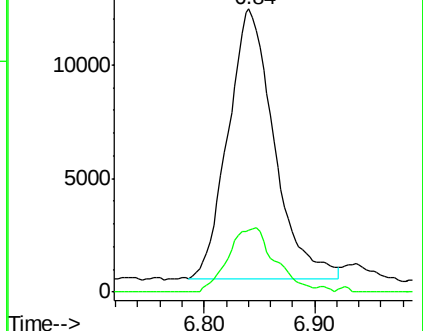
43 100

72 22.8 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 55.976 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053988.D

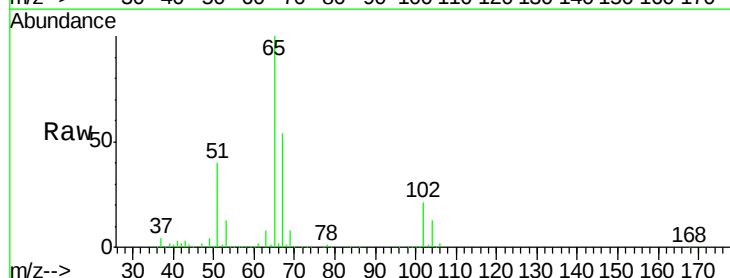
Acq: 28 Feb 2019 00:11

Tgt Ion: 65 Resp: 403205

Ion Ratio Lower Upper

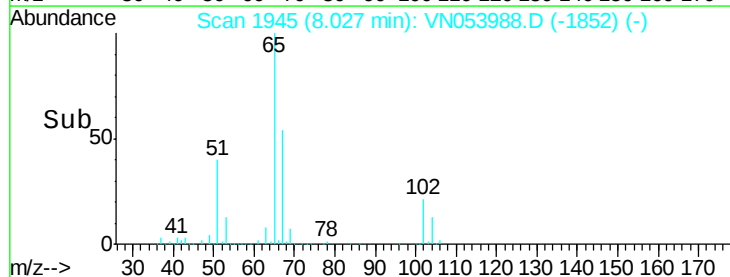
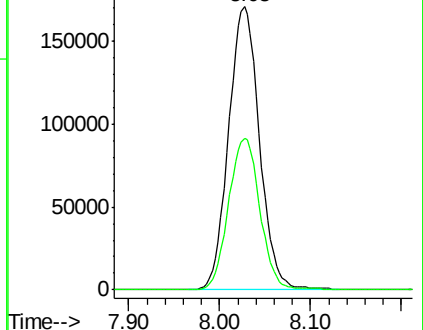
65 100

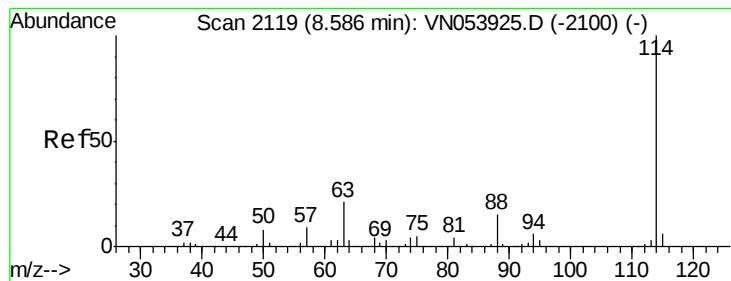
67 54.5 0.0 111.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053988.D

Acq: 28 Feb 2019 00:11

Instrument :

MSVOA_N

ClientSampleId :

30238

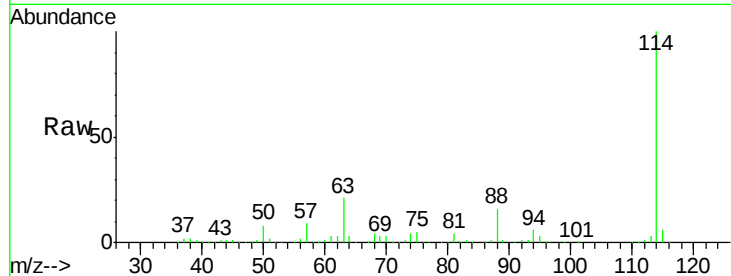
Tot Ion:114 Resp: 1147058

Ion Ratio Lower Upper

114 100

63 21.0 0.0 37.4

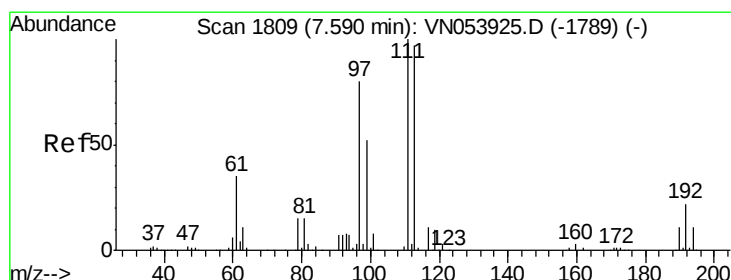
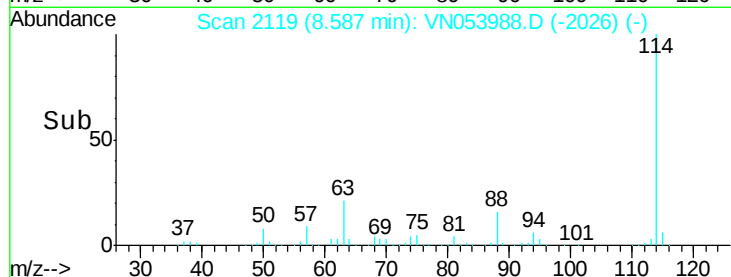
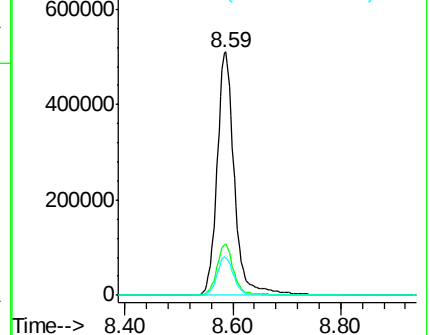
88 15.5 0.0 30.4



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: 48.745 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053988.D

Acq: 28 Feb 2019 00:11

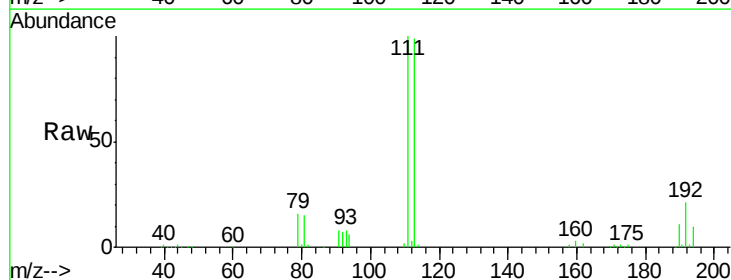
Tgt Ion:113 Resp: 361570

Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

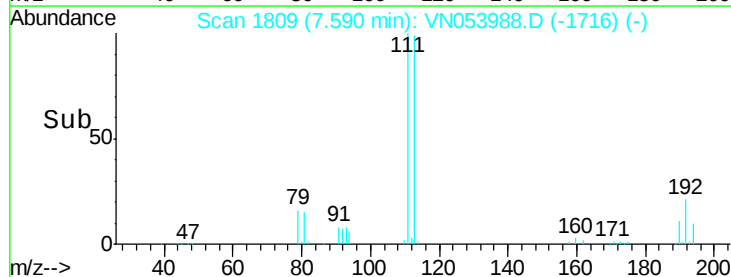
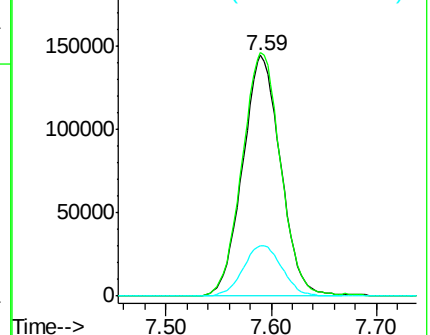
192 21.6 18.8 28.2

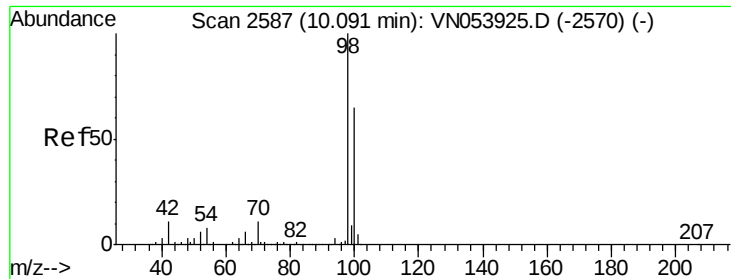


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.088 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053988.D

Acq: 28 Feb 2019 00:11

Instrument :

MSVOA_N

ClientSampleId :

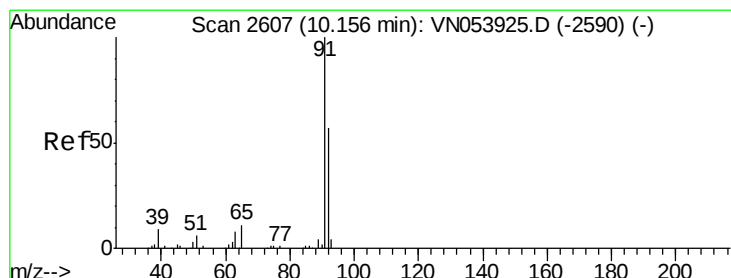
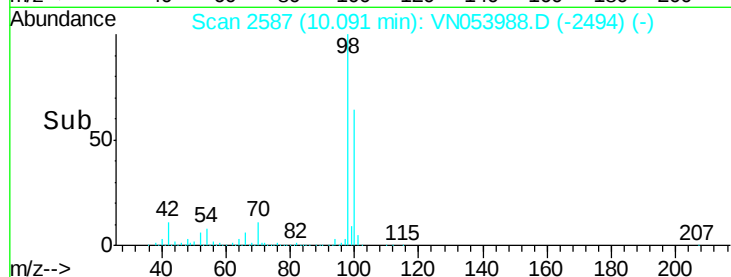
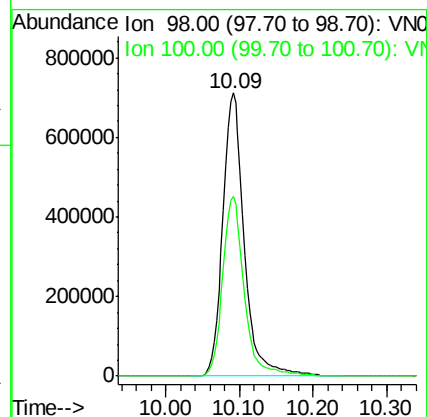
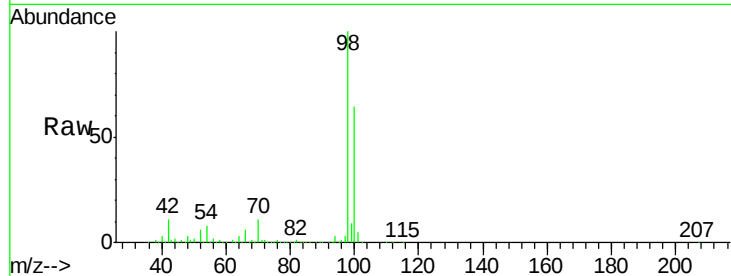
30238

Tot Ion: 98 Resp: 1438258

Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9



#52

Toluene

Concen: 1.452 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053988.D

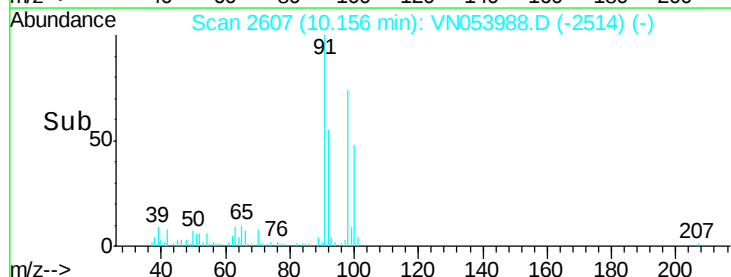
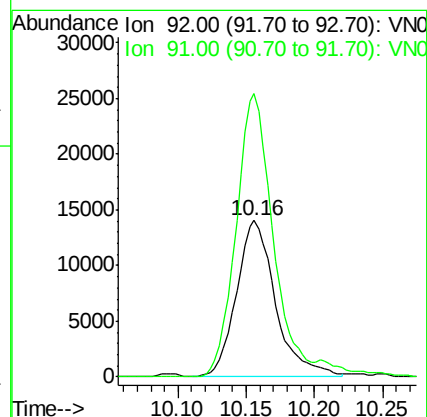
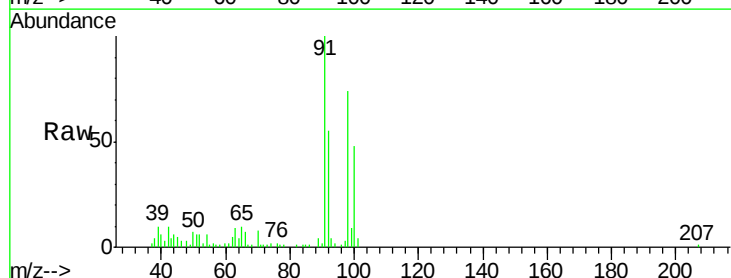
Acq: 28 Feb 2019 00:11

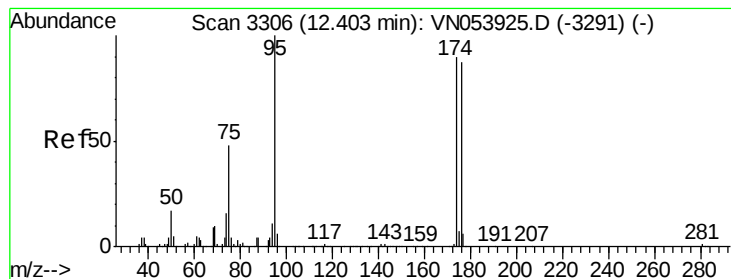
Tgt Ion: 92 Resp: 28011

Ion Ratio Lower Upper

92 100

91 169.0 138.4 207.6





#62

4-Bromofluorobenzene

Concen: 54.919 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053988.D

Acq: 28 Feb 2019 00:11

Instrument :

MSVOA_N

ClientSampled :

30238

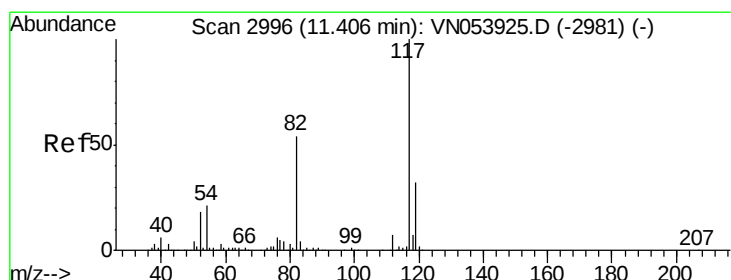
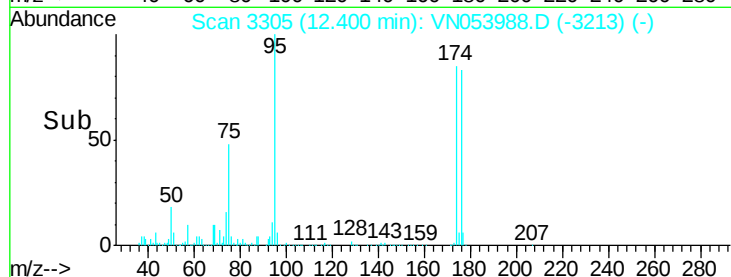
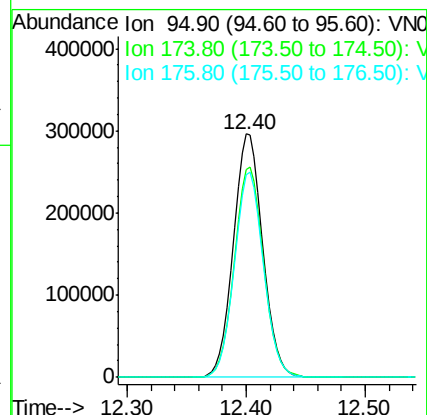
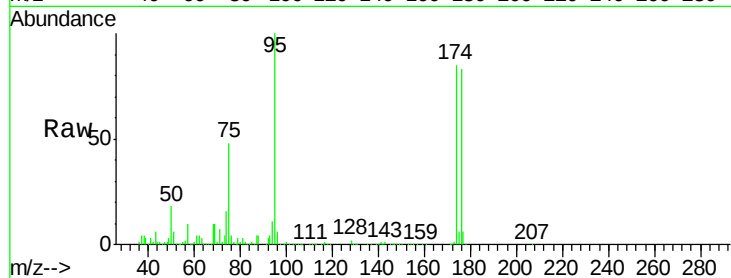
Tot Ion: 95 Resp: 505230

Ion Ratio Lower Upper

95 100

174 86.3 0.0 188.8

176 83.7 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: VN053988.D

Acq: 28 Feb 2019 00:11

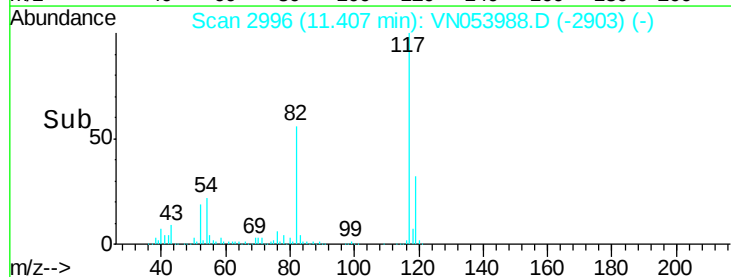
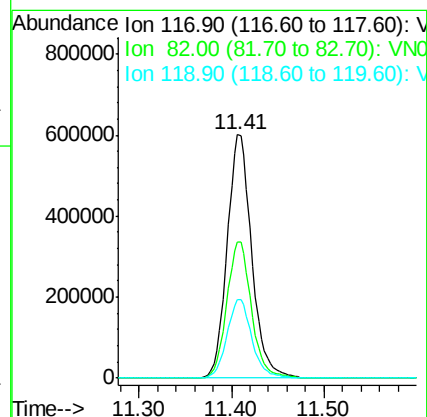
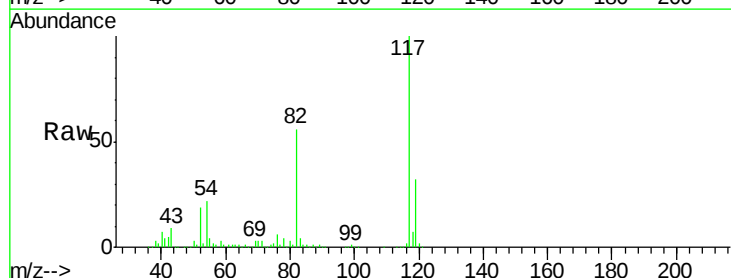
Tgt Ion: 117 Resp: 1102593

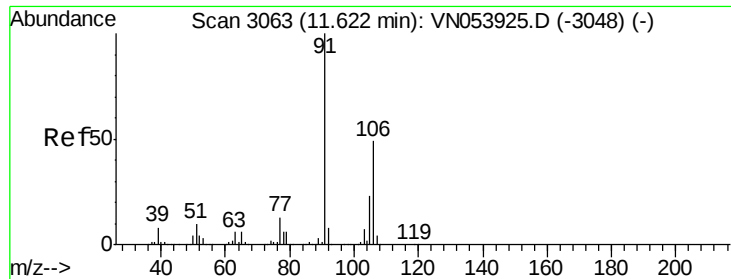
Ion Ratio Lower Upper

117 100

82 56.0 41.4 62.2

119 32.3 25.3 37.9





#68

m/p-Xylenes

Concen: 0.737 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.01 min

Lab File: VN053988.D

Acq: 28 Feb 2019 00:11

Instrument :

MSVOA_N

ClientSampleId :

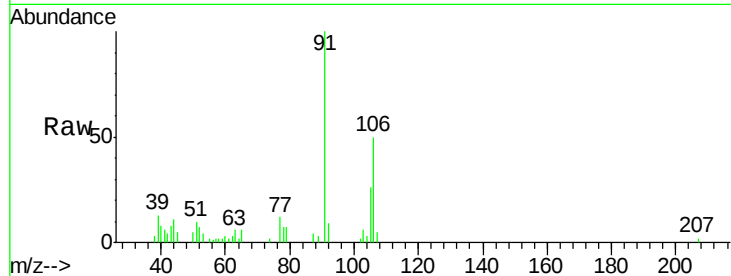
30238

Tot Ion:106 Resp: 10844

Ion Ratio Lower Upper

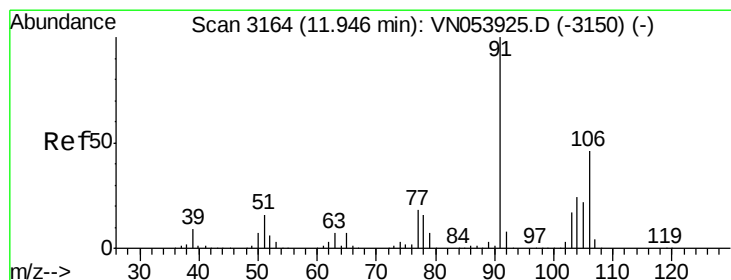
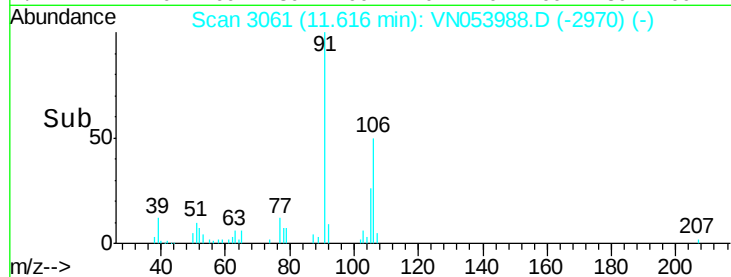
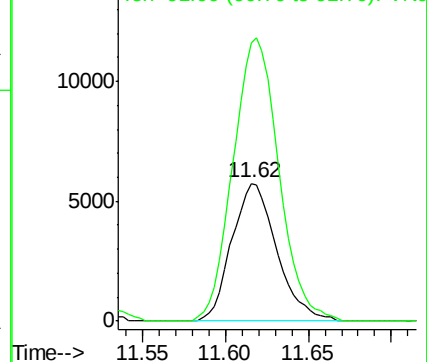
106 100

91 209.1 158.9 238.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 0.375 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN053988.D

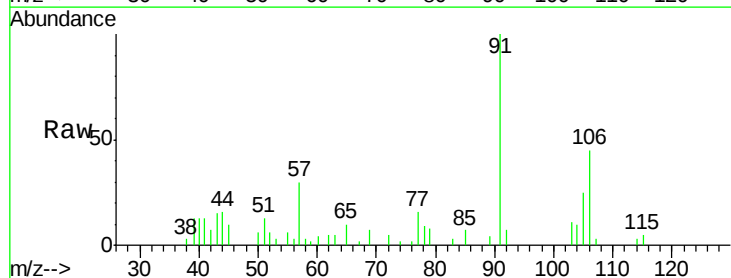
Acq: 28 Feb 2019 00:11

Tgt Ion:106 Resp: 5423

Ion Ratio Lower Upper

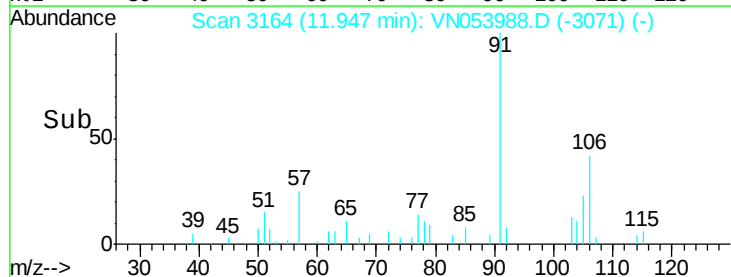
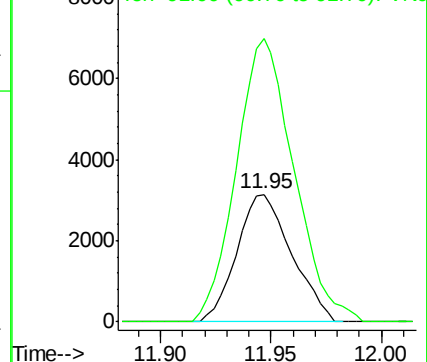
106 100

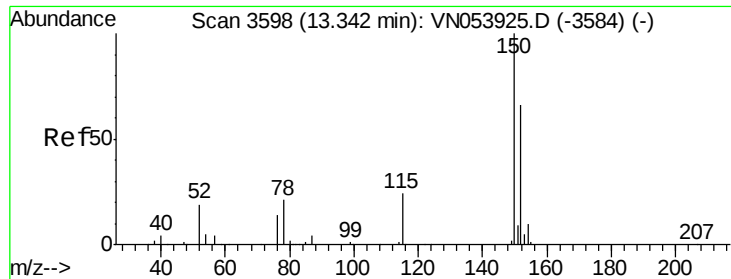
91 233.7 106.0 318.0



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053988.D

Acq: 28 Feb 2019 00:11

Instrument :

MSVOA_N

ClientSampleId :

30238

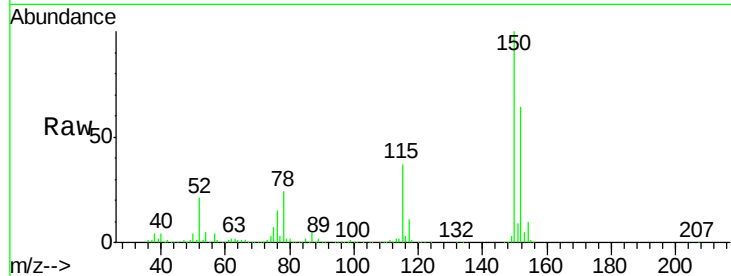
Tot Ion:152 Resp: 451151

Ion Ratio Lower Upper

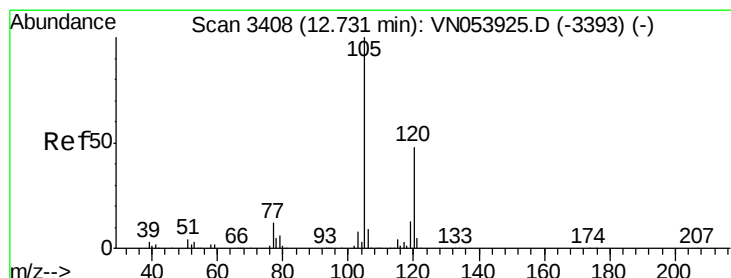
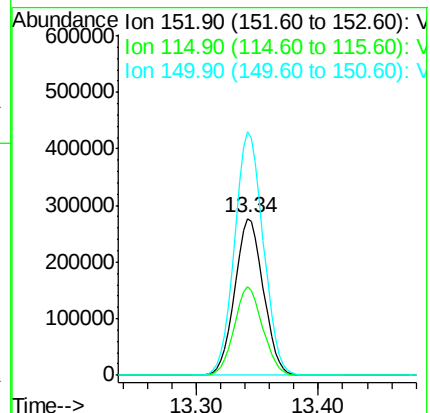
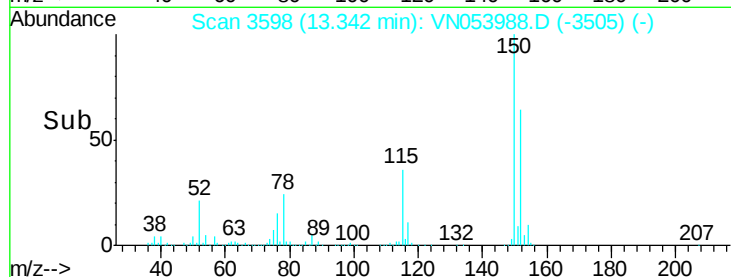
152 100

115 56.5 27.2 81.6

150 156.2 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



#80

1,3,5-Trimethylbenzene

Concen: 0.291 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053988.D

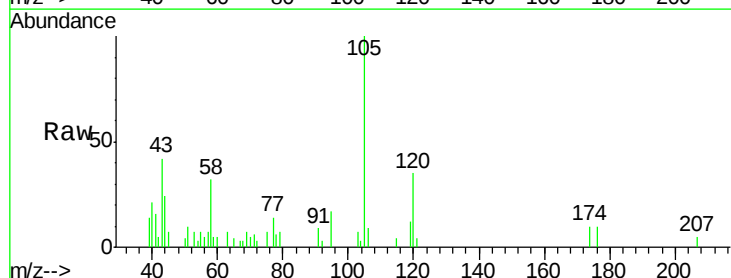
Acq: 28 Feb 2019 00:11

Tgt Ion:105 Resp: 8375

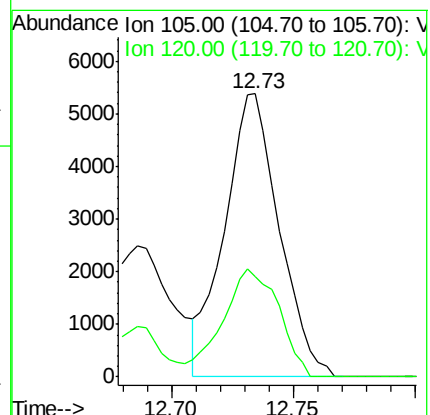
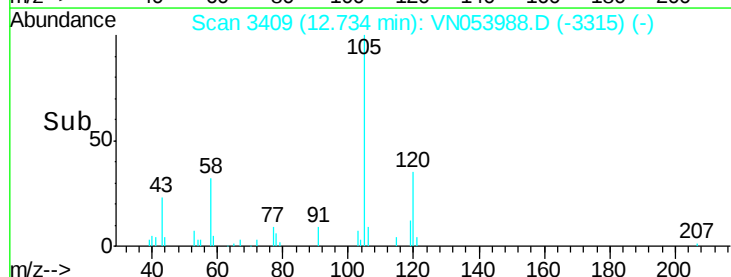
Ion Ratio Lower Upper

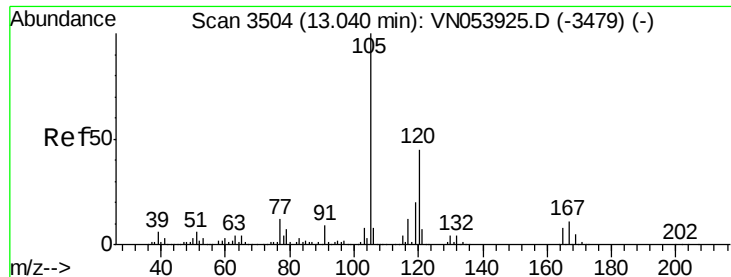
105 100

120 39.1 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

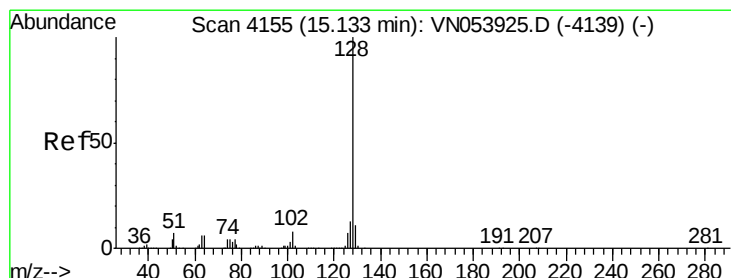
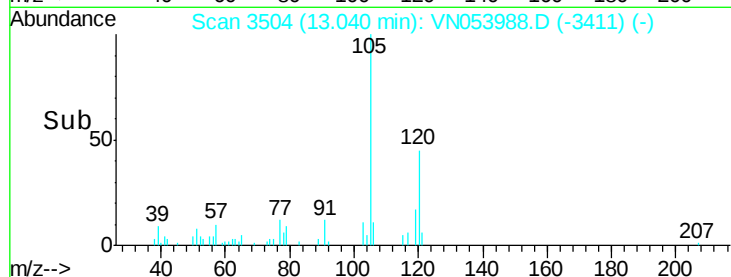
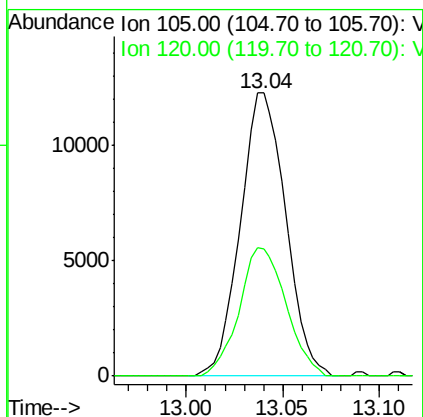
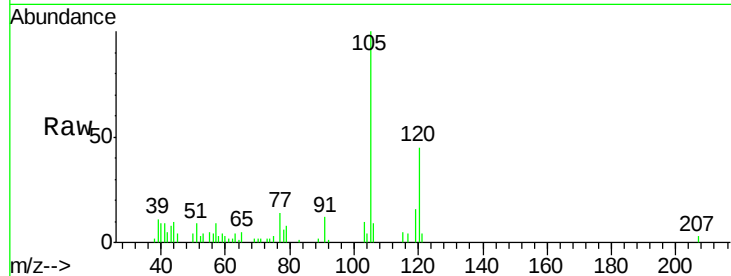




#84
 1,2,4-Trimethylbenzene
 Concen: 0.696 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053988.D
 Acq: 28 Feb 2019 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 30238

Tot Ion:105 Resp: 19964
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.2 69.5



#95
 Naphthalene
 Concen: 3.759 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053988.D
 Acq: 28 Feb 2019 00:11

Tgt Ion:128 Resp: 10437
 Ion Ratio Lower Upper
 128 100
 127 16.4 10.2 15.2#
 129 0.0 8.6 12.8#

