

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100518\
 Data File : VN051683.D
 Acq On : 5 Oct 2018 13:38
 Operator : MD\SY
 Sample : J5237-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-SOIL

Quant Time: Oct 05 17:03:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:11:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	95785	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	525507	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	419977	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	198228	29.82	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.40%
60) 4-Bromofluorobenzene	12.40	95	141607	22.10	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	73.67%
63) Toluene-d8	10.09	98	619959	33.25	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	110.83%

Target Compounds

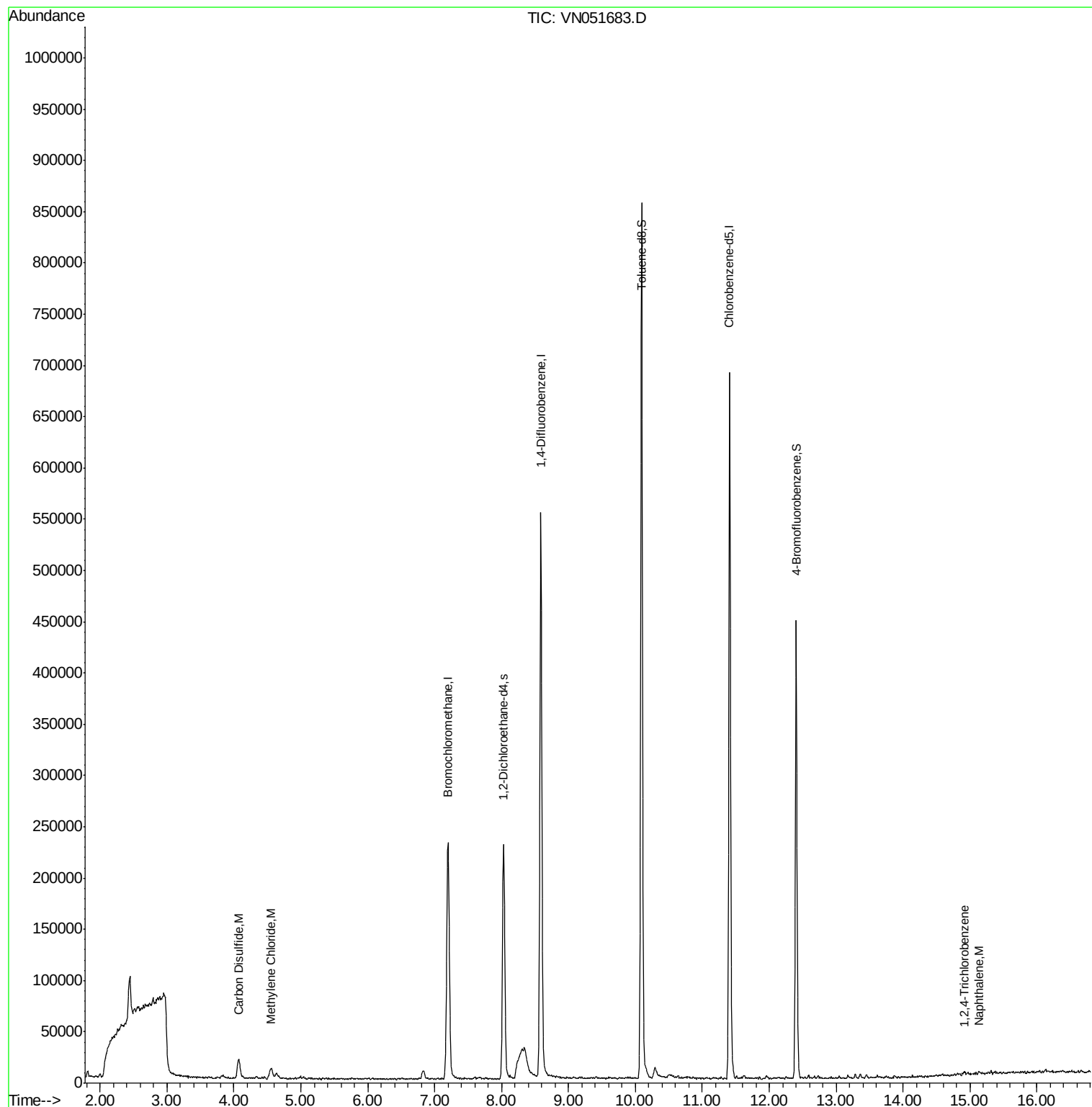
					Ovalue	
16) Carbon Disulfide	4.06	76	4280	0.335	ug/l #	94
18) Methylene Chloride	4.55	84	4393	0.871	ug/l #	83
89) 1,2,4-Trichlorobenzene	14.90	180	356	6.886	ug/l #	87
91) Naphthalene	15.14	128	2974	0.295	ug/l #	70

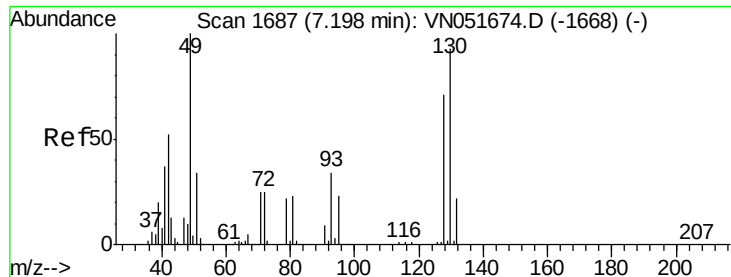
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051683.D

Acq: 5 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampled :

TRIP-SOIL

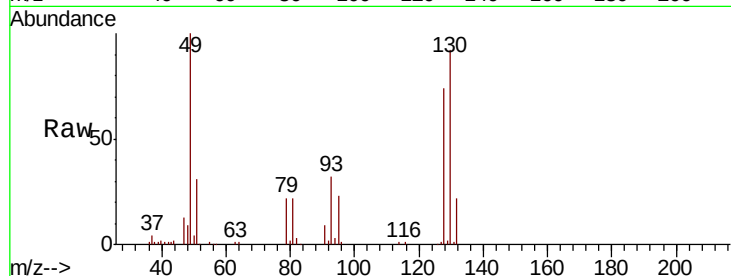
Tot Ion:128 Resp: 95785

Ion Ratio Lower Upper

128 100

49 137.8 0.0 403.3

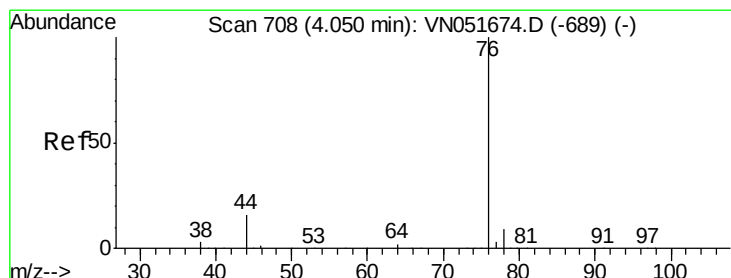
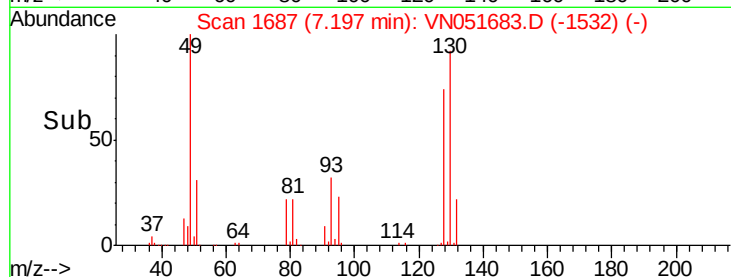
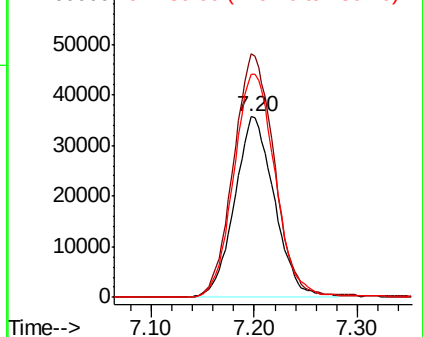
130 128.7 0.0 326.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#16

Carbon Disulfide

Concen: 0.335 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.01 min

Lab File: VN051683.D

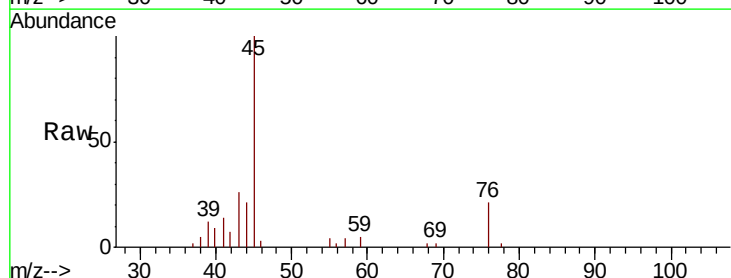
Acq: 5 Oct 2018 13:38

Tgt Ion: 76 Resp: 4280

Ion Ratio Lower Upper

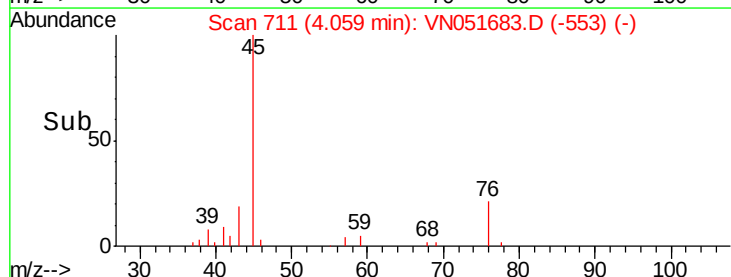
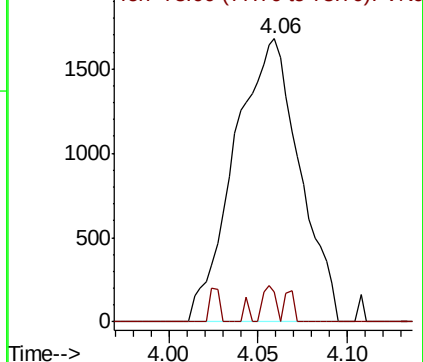
76 100

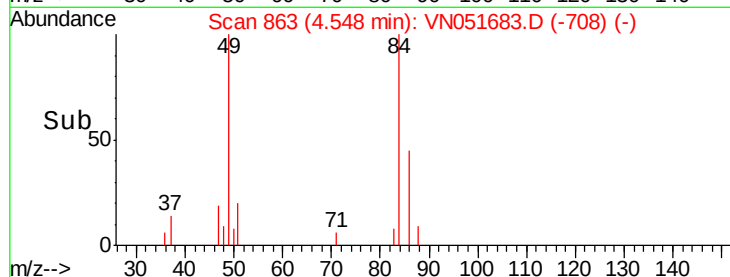
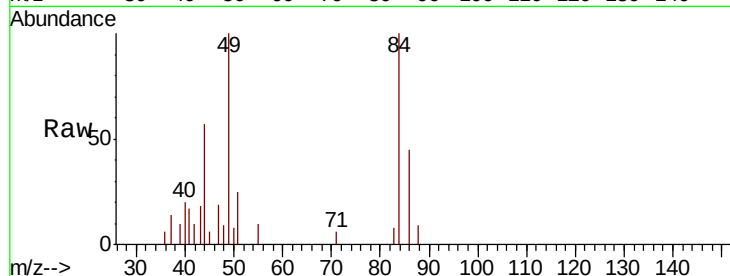
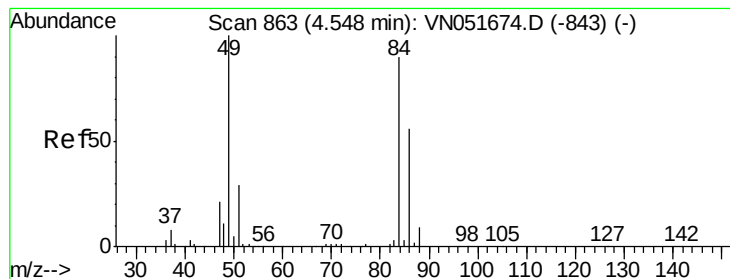
78 10.7 6.7 10.1#



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#18

Methylene Chloride

Concen: 0.871 ug/l

RT: 4.55 min Scan# 863

Delta R.T. -0.00 min

Lab File: VN051683.D

Acq: 5 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

TRIP-SOIL

Tot Ion: 84 Resp: 4393

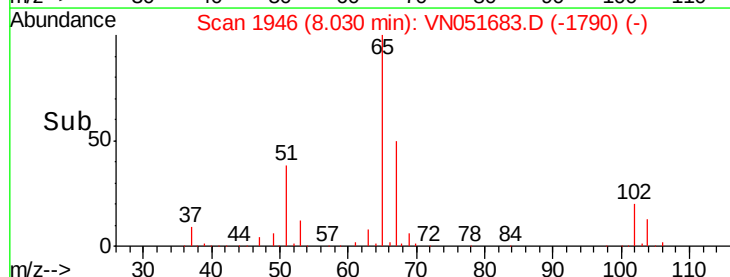
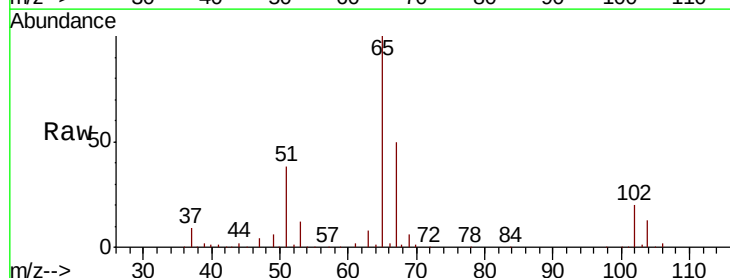
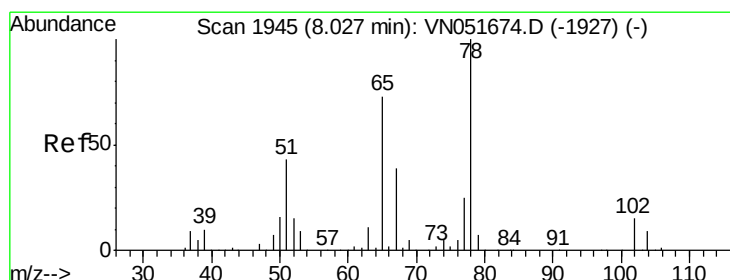
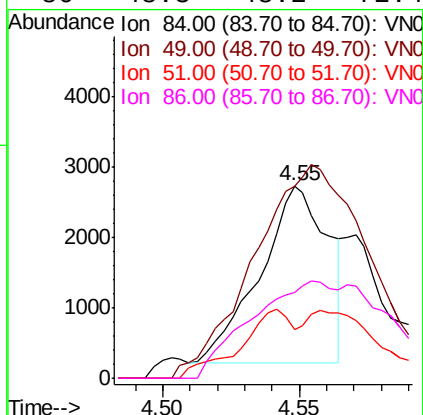
Ion Ratio Lower Upper

84 100

49 99.4 91.6 137.4

51 21.5 29.8 44.6#

86 48.3 48.2 72.4



#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051683.D

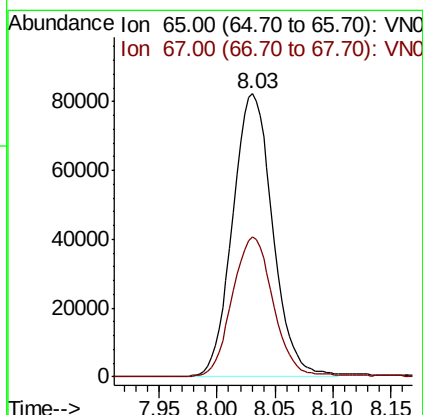
Acq: 5 Oct 2018 13:38

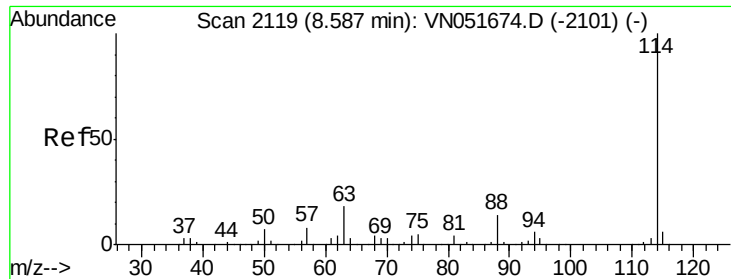
Tgt Ion: 65 Resp: 198228

Ion Ratio Lower Upper

65 100

67 50.2 41.8 62.8

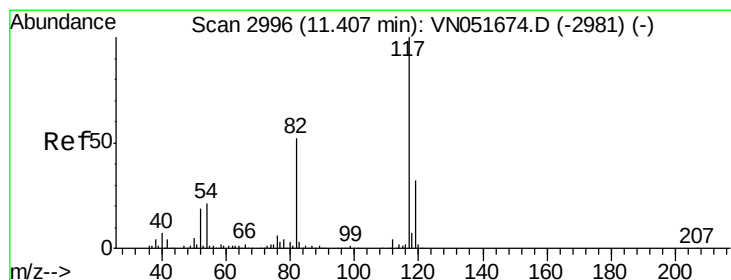
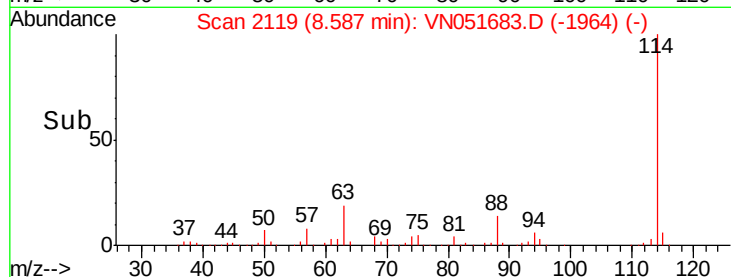
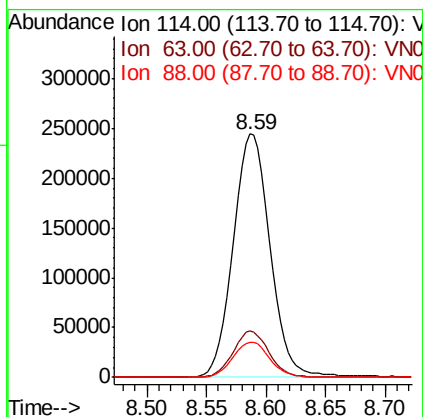
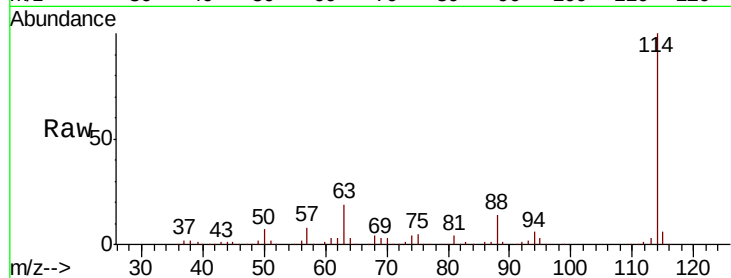




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051683.D
 Acq: 5 Oct 2018 13:38

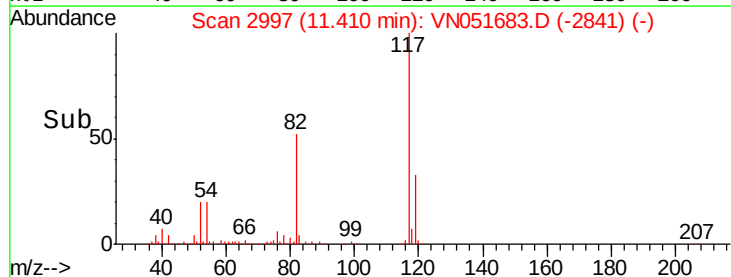
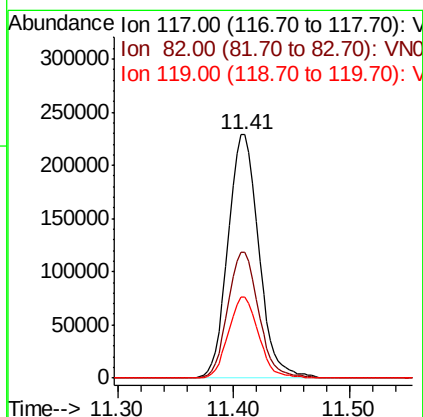
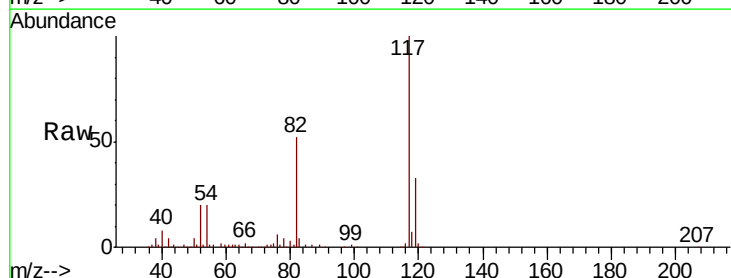
Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-SOIL

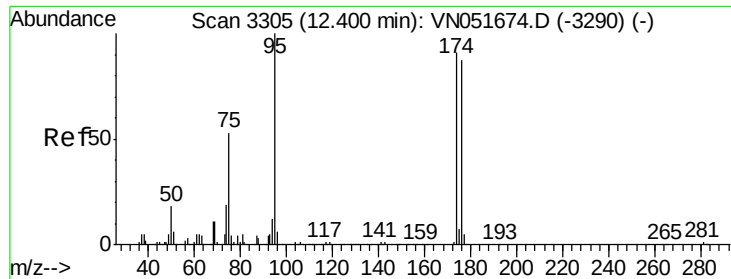
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.5	16.2	24.2
88	14.6	12.2	18.4



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN051683.D
 Acq: 5 Oct 2018 13:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.0	44.1	66.1
119	32.8	25.8	38.8

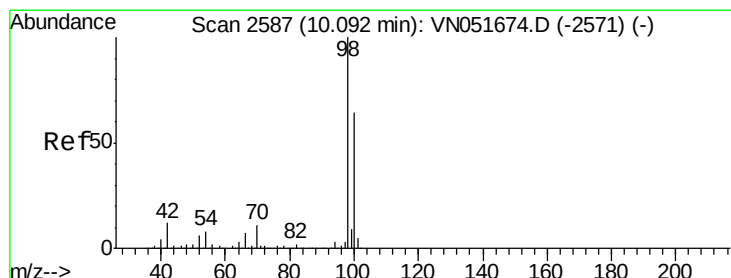
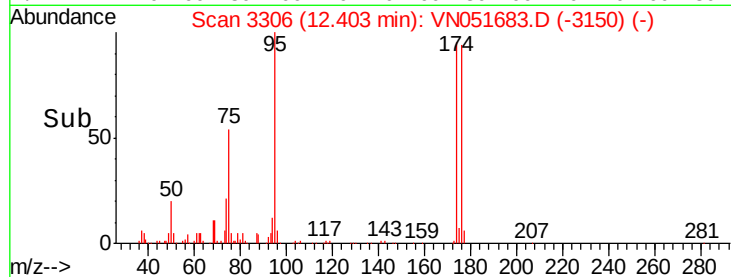
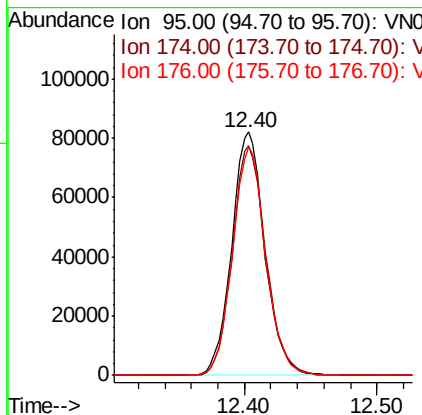
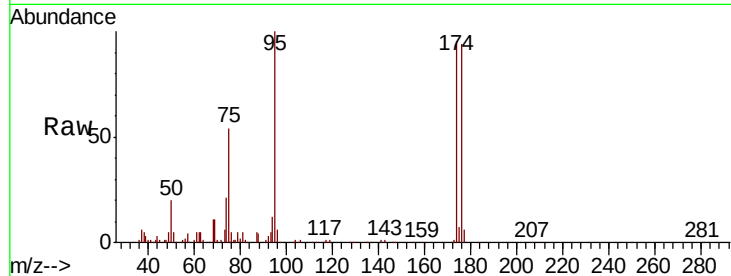




#60
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051683.D
 Acq: 5 Oct 2018 13:38

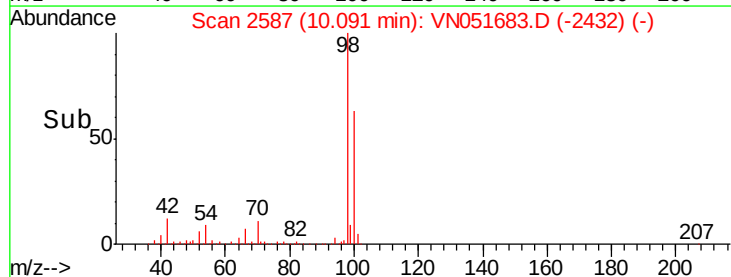
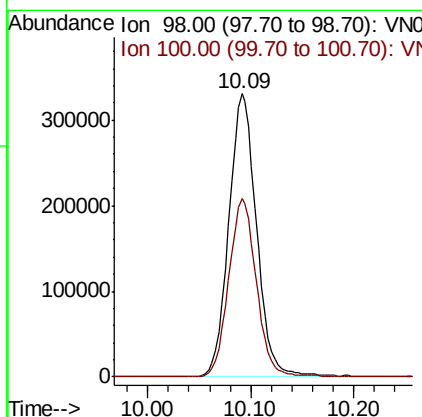
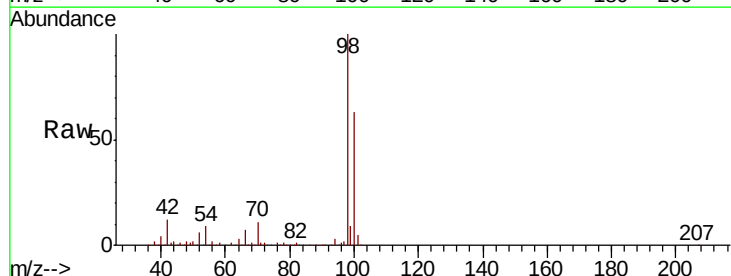
Instrument :
 MSVOA_N
 ClientSampled :
 TRIP-SOIL

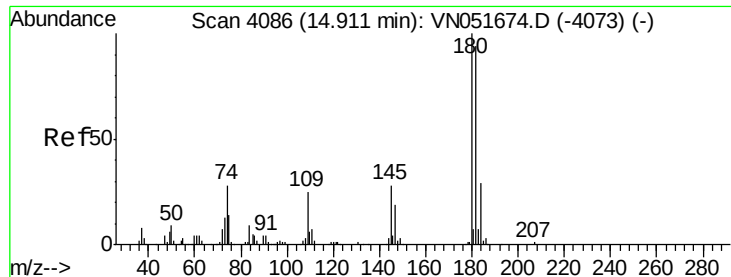
Tot Ion: 95 Resp: 141607
 Ion Ratio Lower Upper
 95 100
 174 95.5 73.5 110.3
 176 94.0 70.2 105.2



#63
 Toluene-d8
 Concen: Below ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN051683.D
 Acq: 5 Oct 2018 13:38

Tgt Ion: 98 Resp: 619959
 Ion Ratio Lower Upper
 98 100
 100 63.0 50.8 76.2

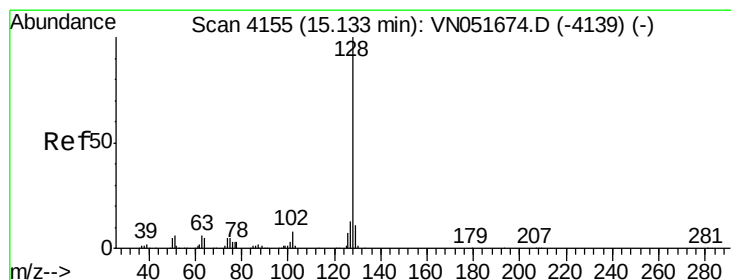
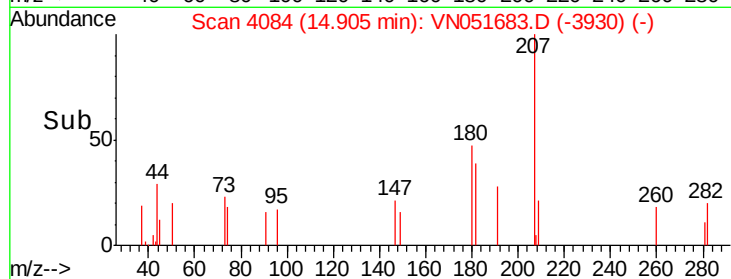
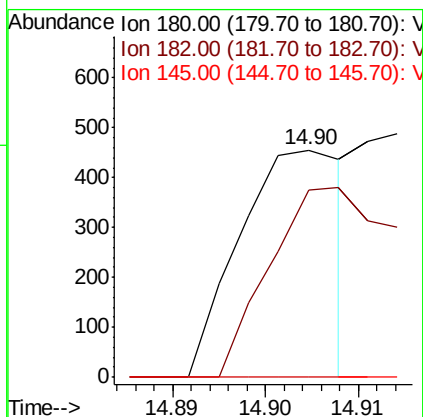
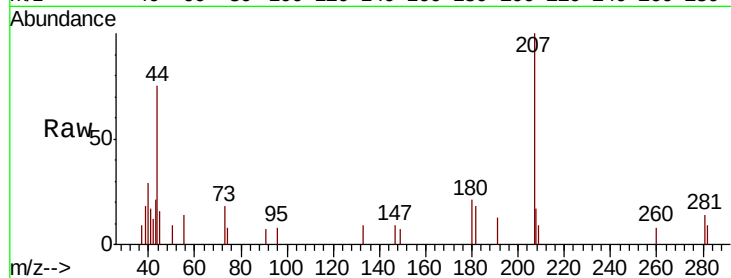




#89
 1,2,4-Trichlorobenzene
 Concen: 6.886 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.01 min
 Lab File: VN051683.D
 Acq: 5 Oct 2018 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-SOIL

Tot Ion:180 Resp: 356
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.7 116.5
 145 0.0 23.4 35.2#



#91
 Naphthalene
 Concen: 0.295 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN051683.D
 Acq: 5 Oct 2018 13:38

Tgt Ion:128 Resp: 2974
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.1 15.1#
 129 0.0 8.4 12.6#

