

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101818\
 Data File : VN051917.D
 Acq On : 18 Oct 2018 15:34
 Operator : MD\SY
 Sample : J5580-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 2-AVE-23

Quant Time: Oct 18 17:25:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	158381	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	2124982	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	1801411	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	297306	30.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.83%
60) 4-Bromofluorobenzene	12.40	95	277989	10.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	35.67%#
63) Toluene-d8	10.09	98	978171	12.51	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	41.70%#

Target Compounds

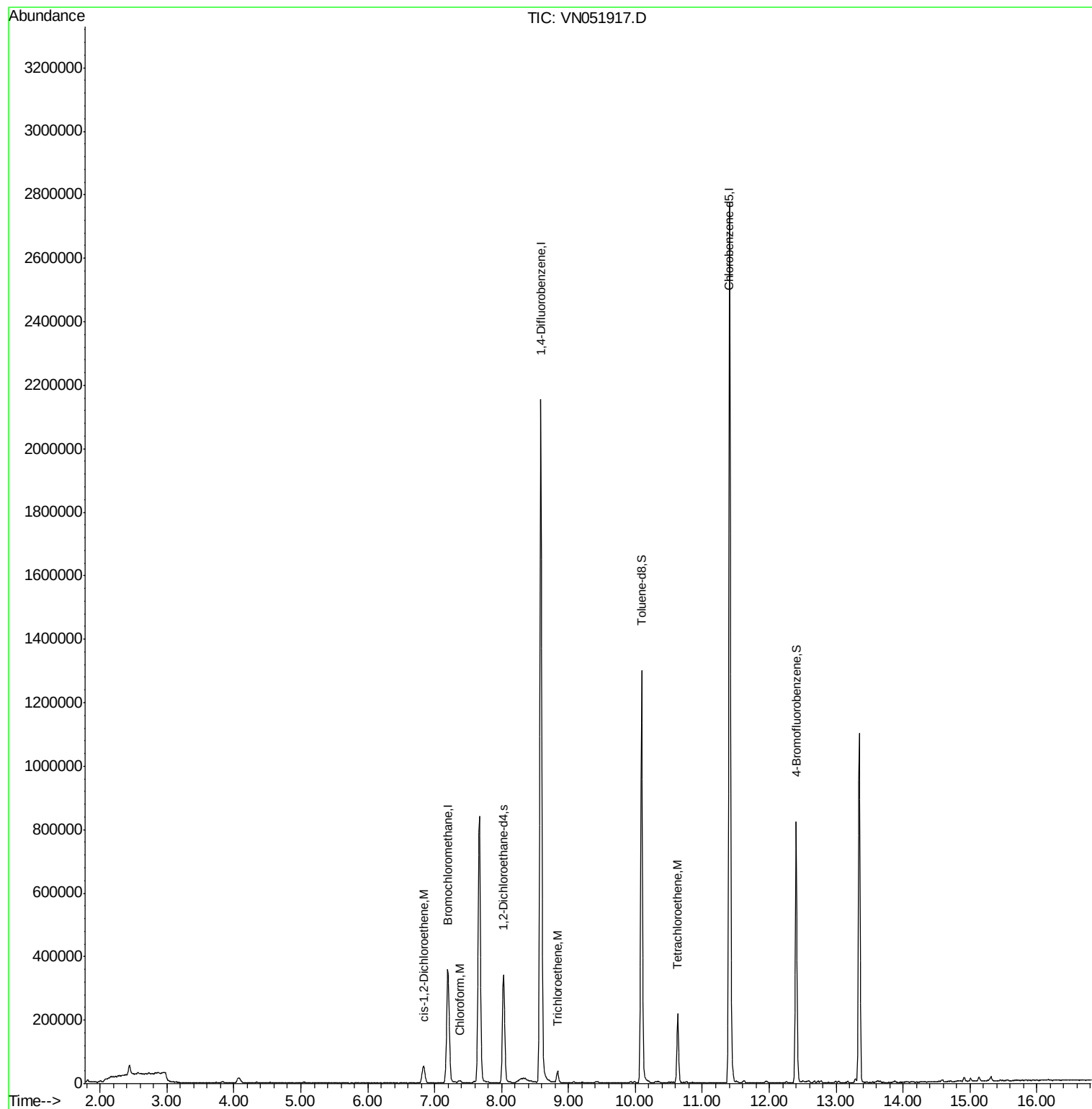
						Qvalue
22) cis-1,2-Dichloroethene	6.83	96	36327	3.71	ug/l	# 72
25) Chloroform	7.37	83	6711	0.42	ug/l	# 76
37) Trichloroethene	8.84	130	13300	0.53	ug/l	87
61) Tetrachloroethene	10.63	164	52865	2.29	ug/l	99

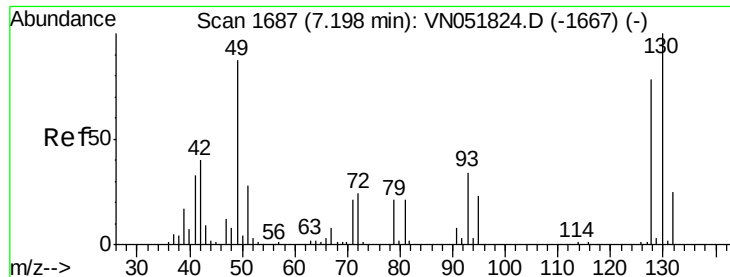
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 12 10:23:44 2018
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051917.D

Acq: 18 Oct 2018 15:34

Instrument :

MSVOA_N

ClientSampled :

2-AVE-23

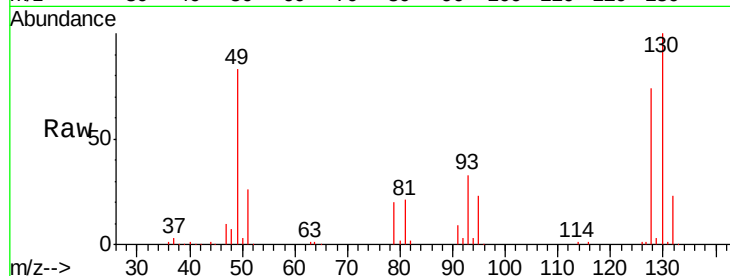
Tgt Ion:128 Resp: 158381

Ion Ratio Lower Upper

128 100

49 108.9 0.0 403.3

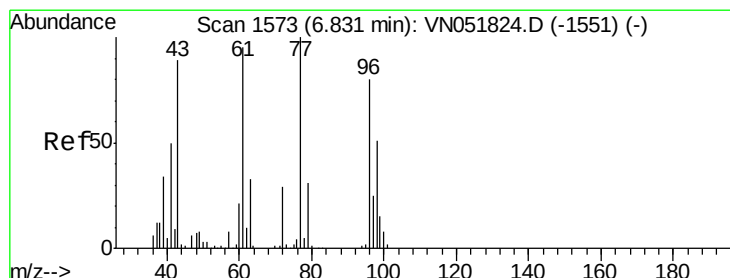
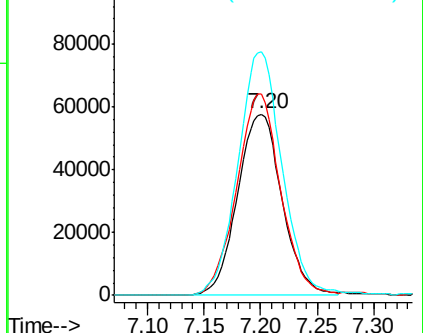
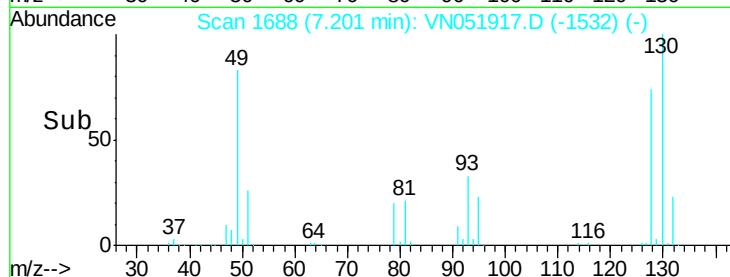
130 132.8 0.0 326.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#22

cis-1,2-Dichloroethene

Concen: 3.71 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051917.D

Acq: 18 Oct 2018 15:34

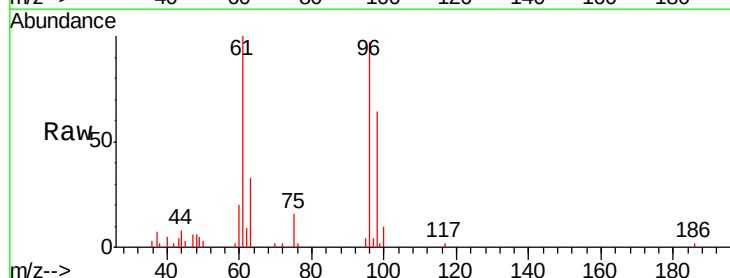
Tgt Ion: 96 Resp: 36327

Ion Ratio Lower Upper

96 100

61 104.7 124.5 186.7#

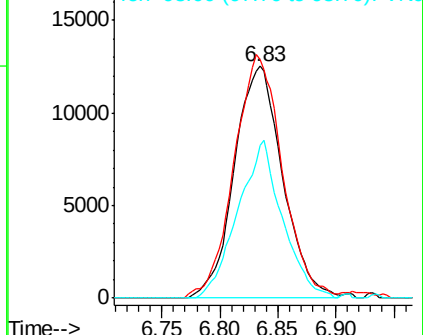
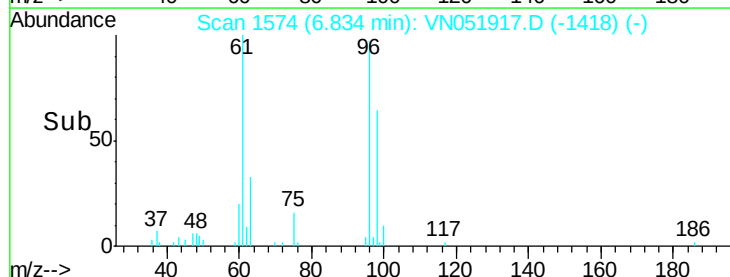
98 62.8 51.9 77.9

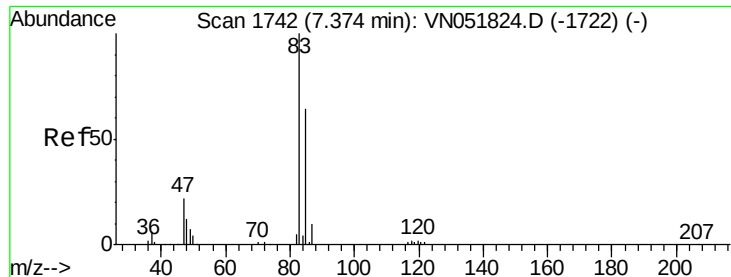


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#25

Chloroform

Concen: 0.42 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN051917.D

Acq: 18 Oct 2018 15:34

Instrument :

MSVOA_N

ClientSampled :

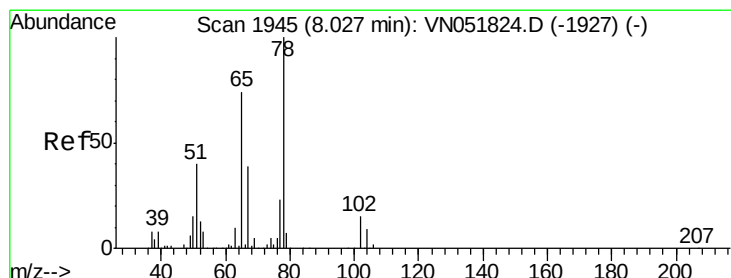
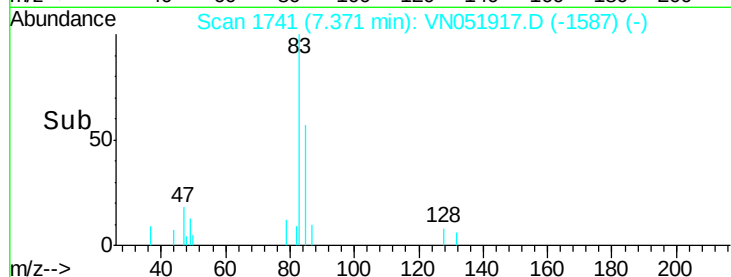
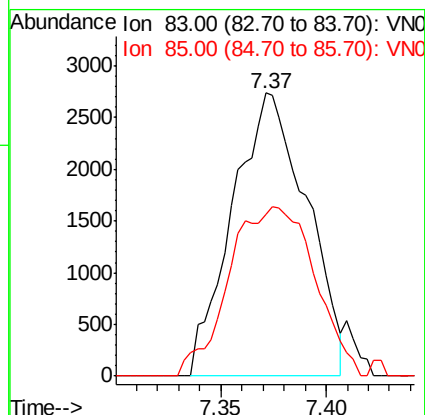
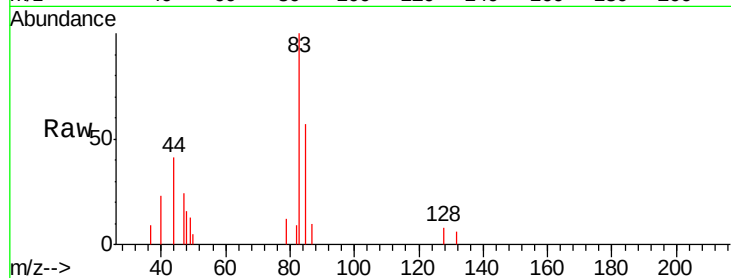
2-AVE-23

Tgt Ion: 83 Resp: 6711

Ion Ratio Lower Upper

83 100

85 48.7 54.6 82.0#



#27

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051917.D

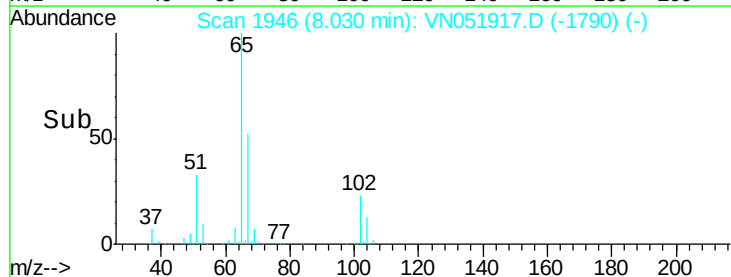
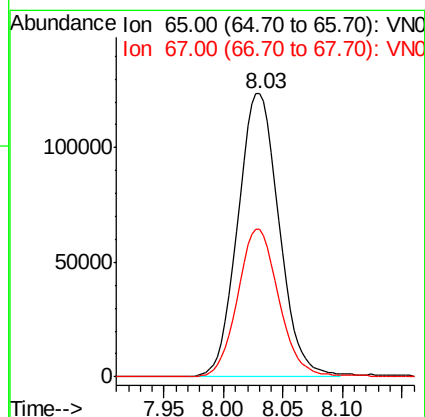
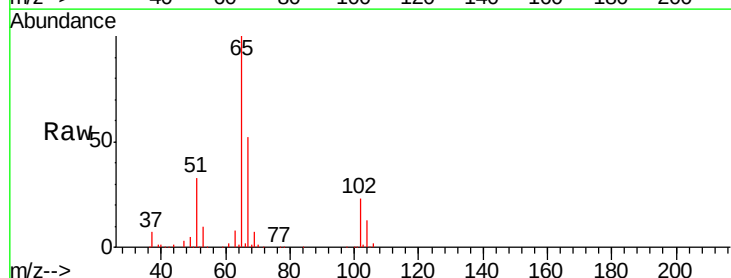
Acq: 18 Oct 2018 15:34

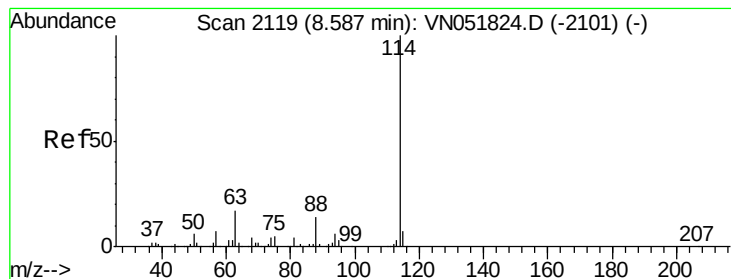
Tgt Ion: 65 Resp: 297306

Ion Ratio Lower Upper

65 100

67 52.0 41.8 62.8





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051917.D

Acq: 18 Oct 2018 15:34

Instrument :

MSVOA_N

ClientSampled :

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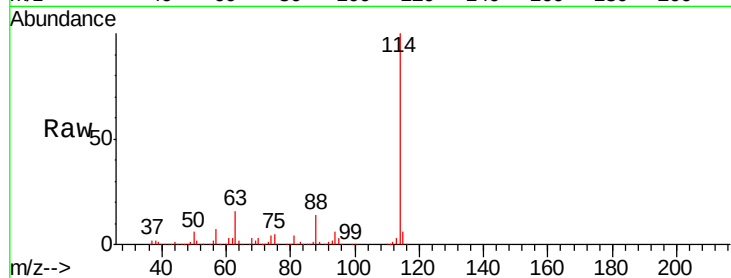
Tgt Ion:114 Resp: 2124982

Ion Ratio Lower Upper

114 100

63 16.1 16.2 24.2#

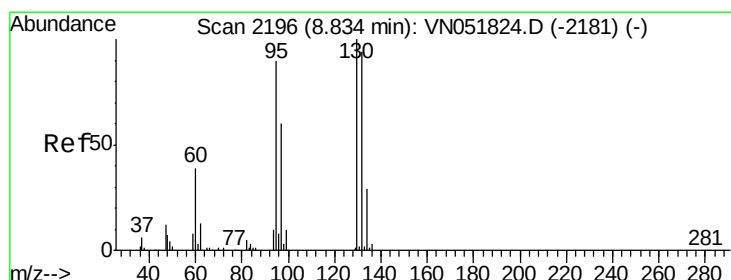
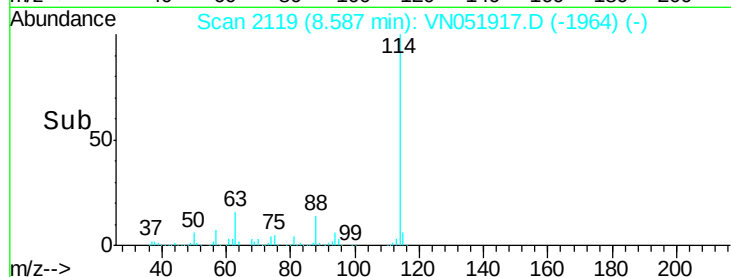
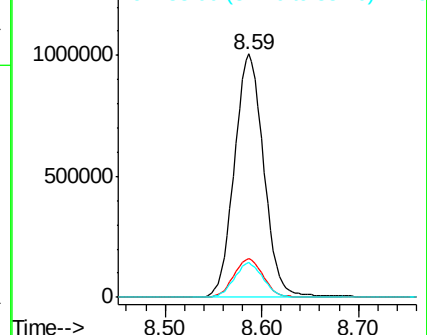
88 13.9 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0



#37

Trichloroethene

Concen: 0.53 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051917.D

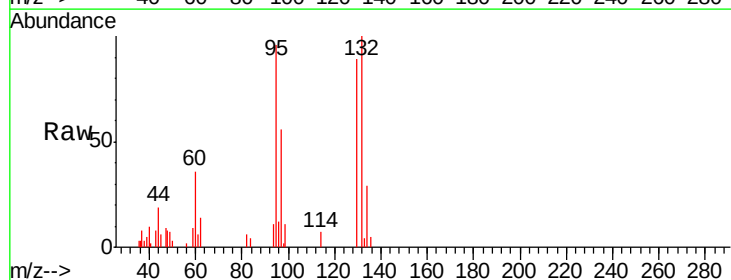
Acq: 18 Oct 2018 15:34

Tgt Ion:130 Resp: 13300

Ion Ratio Lower Upper

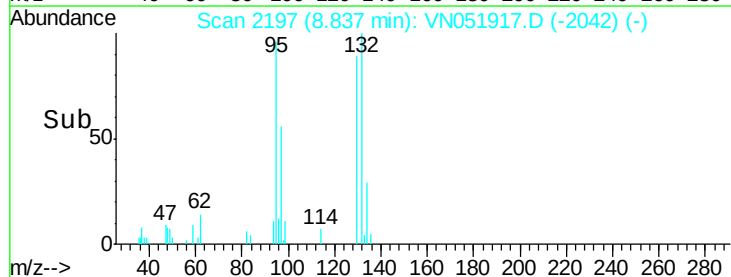
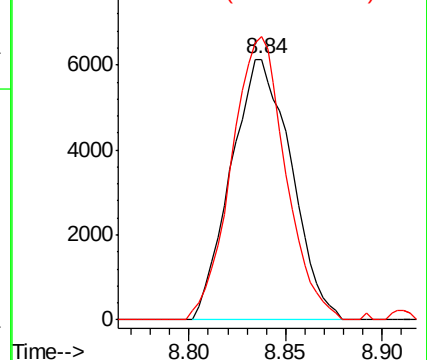
130 100

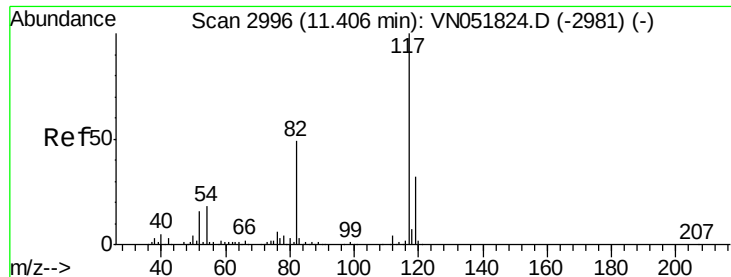
95 108.6 76.4 114.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN0

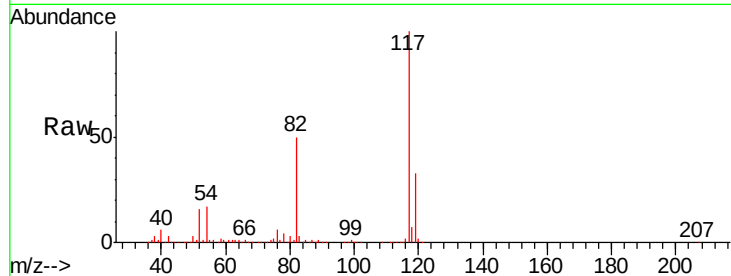




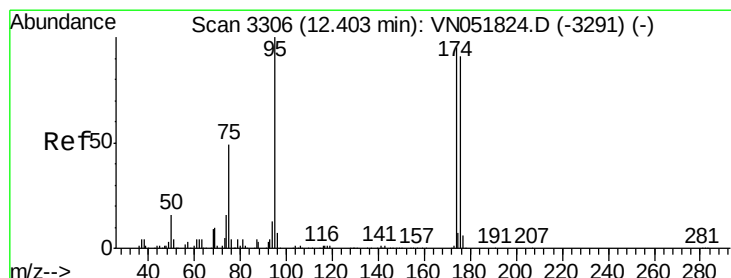
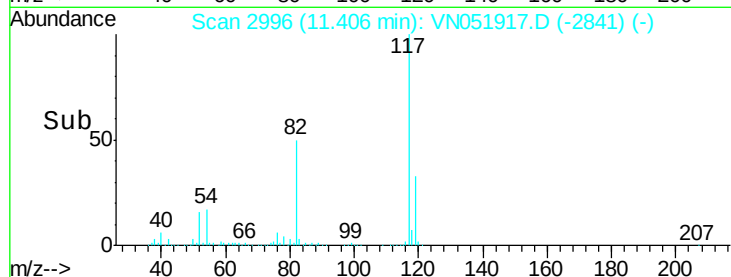
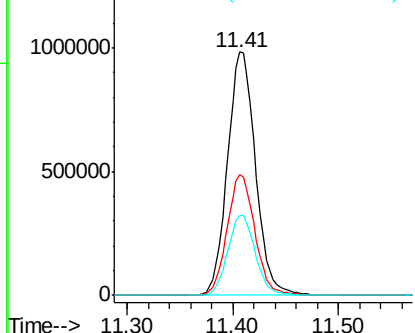
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051917.D
Acq: 18 Oct 2018 15:34

Instrument :
MSVOA_N
ClientSampled :
2-AVE-23

Tgt Ion: 117 Resp: 1801411
Ion Ratio Lower Upper
117 100
82 49.2 44.1 66.1
119 32.4 25.8 38.8

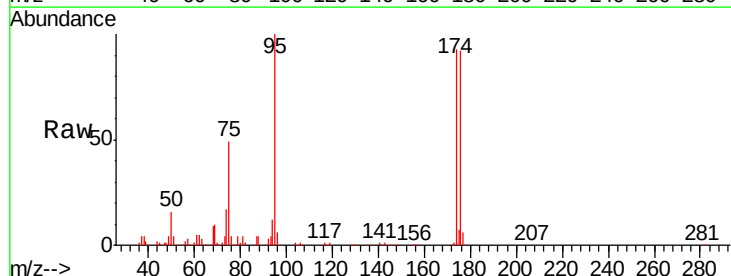


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

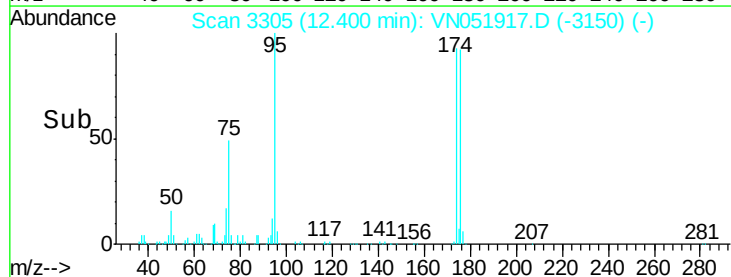
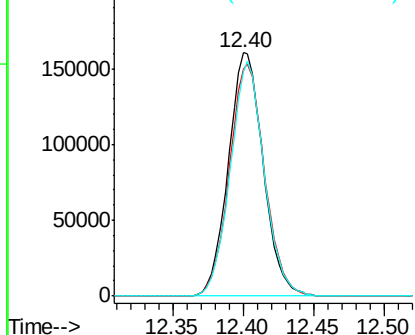


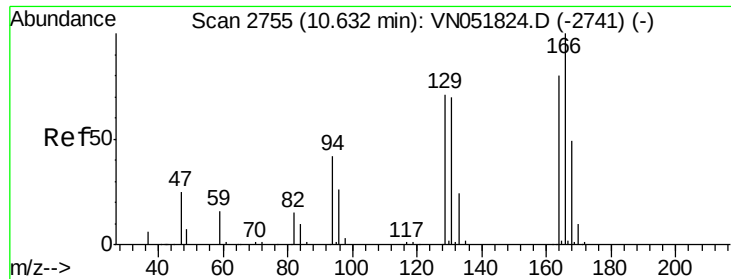
#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051917.D
Acq: 18 Oct 2018 15:34

Tgt Ion: 95 Resp: 277989
Ion Ratio Lower Upper
95 100
174 96.0 73.5 110.3
176 93.8 70.2 105.2



Abundance Ion 95.00 (94.70 to 95.70): V
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 2.29 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051917.D

Acq: 18 Oct 2018 15:34

Instrument :

MSVOA_N

ClientSampleId :

2-AVE-23

Tgt Ion:164 Resp: 52865

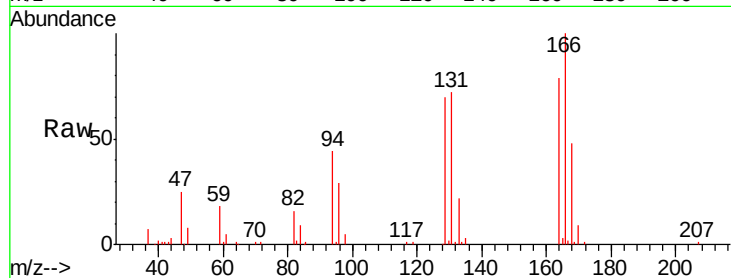
Ion Ratio Lower Upper

164 100

166 125.9 98.7 148.1

129 87.7 69.6 104.4

131 90.9 72.4 108.6

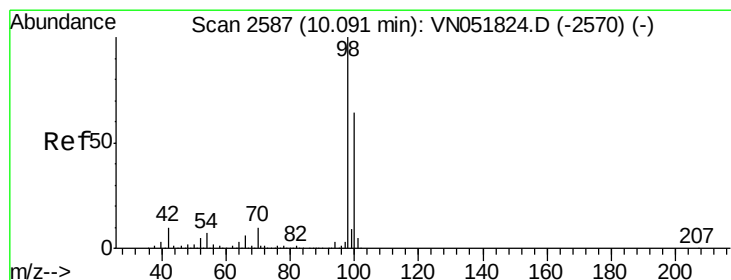
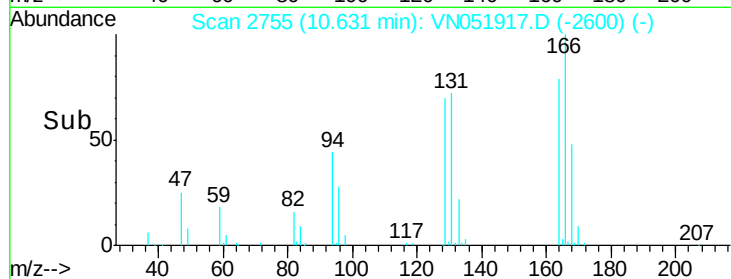
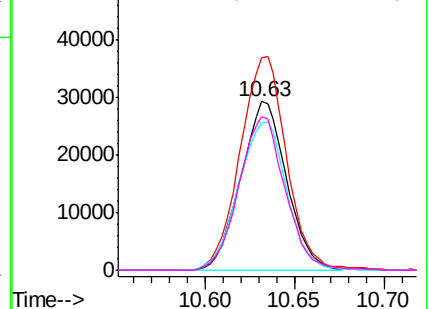


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051917.D

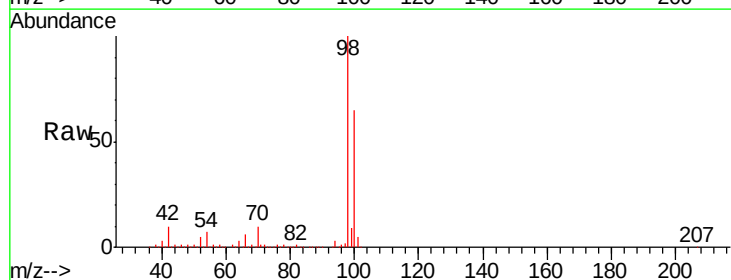
Acq: 18 Oct 2018 15:34

Tgt Ion: 98 Resp: 978171

Ion Ratio Lower Upper

98 100

100 63.7 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

