

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101518\
 Data File : VN051863.D
 Acq On : 15 Oct 2018 10:11
 Operator : MD\SY
 Sample : VN1015WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 16 00:43:54 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	112808	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	622870	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	489712	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	202063	29.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.13%
60) 4-Bromofluorobenzene	12.40	95	161362	22.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	76.17%
63) Toluene-d8	10.09	98	697388	32.80	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	109.33%

Target Compounds

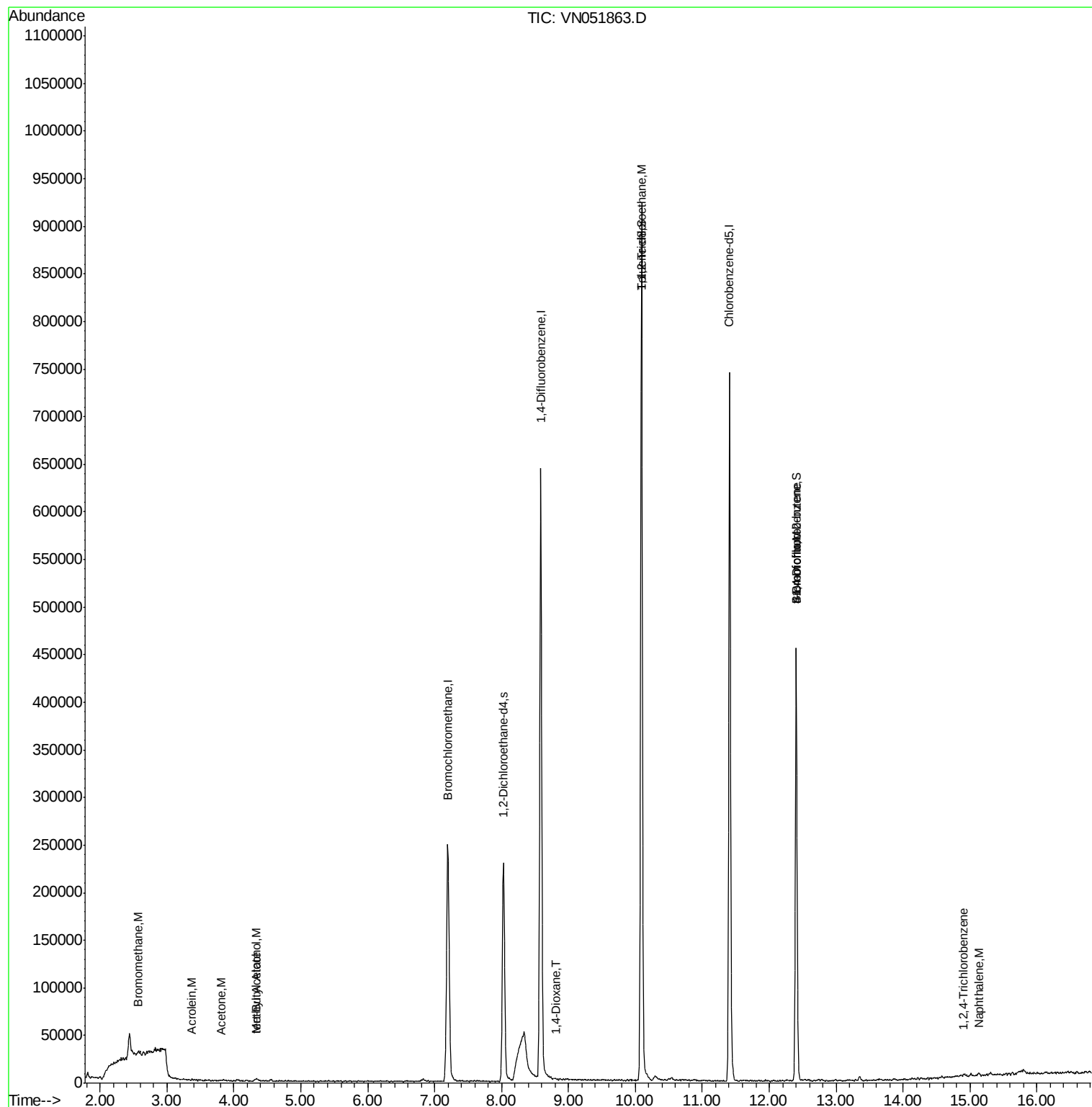
					Ovalue	
5) Bromomethane	2.57	94	1992	0.326	ug/l	91
12) Methyl Acetate	4.34	43	3645	1.130	ug/l	93
13) Acrolein	3.37	56	76	0.358	ug/l	98
15) Acetone	3.82	58	100	0.281	ug/l #	1
23) tert-Butyl Alcohol	4.34	59	112	0.295	ug/l #	100
45) 1,4-Dioxane	8.82	88	142	2.430	ug/l #	1
50) 1,1,2-Trichloroethane	10.10	97	20909	3.646	ug/l #	1
56) Bromoform	12.40	173	1449	0.310	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	80372	54.584	ug/l #	12
89) 1,2,4-Trichlorobenzene	14.90	180	280	7.762	ug/l #	6
91) Naphthalene	15.13	128	889	8.588	ug/l #	91

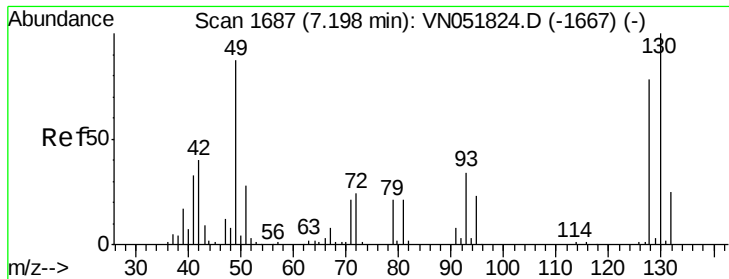
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101518\
Data File : VN051863.D
Acq On : 15 Oct 2018 10:11
Operator : MD\SY
Sample : VN1015WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 16 00:43:54 2018
Quant Method : Z:\V0ASRV\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

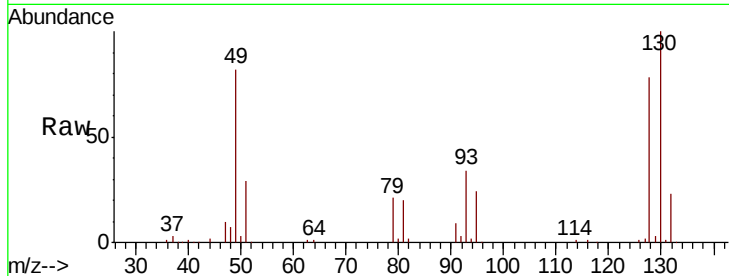




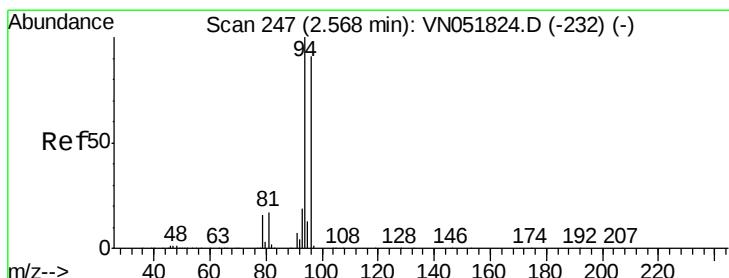
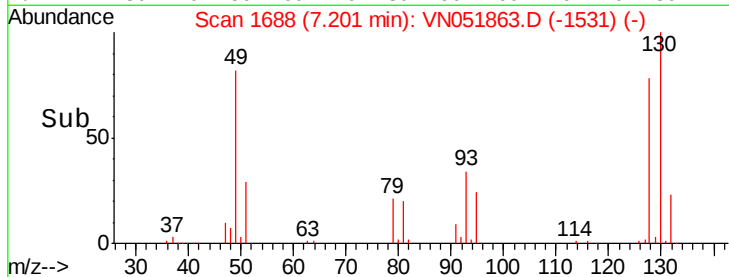
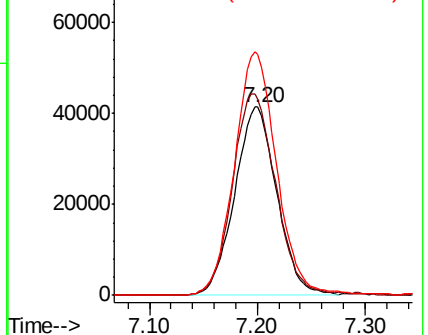
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN051863.D
Acq: 15 Oct 2018 10:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 112808
Ion Ratio Lower Upper
128 100
49 109.4 0.0 403.3
130 128.4 0.0 326.0

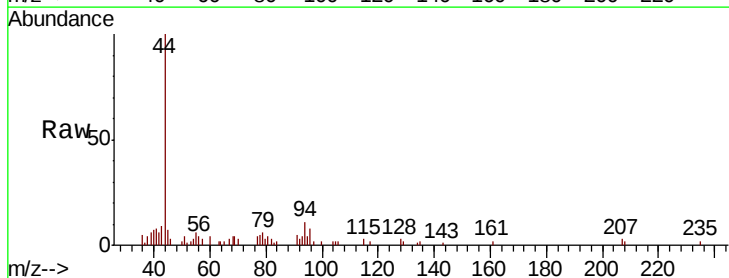


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

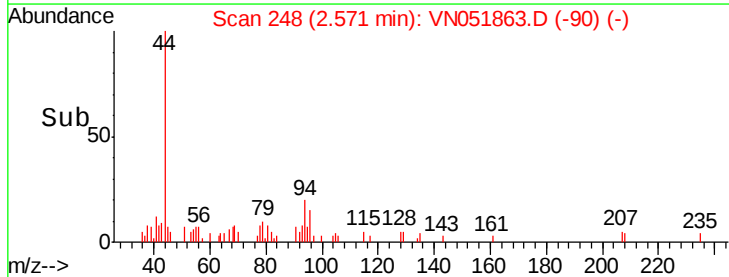
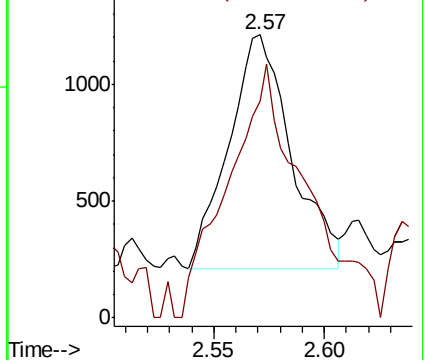


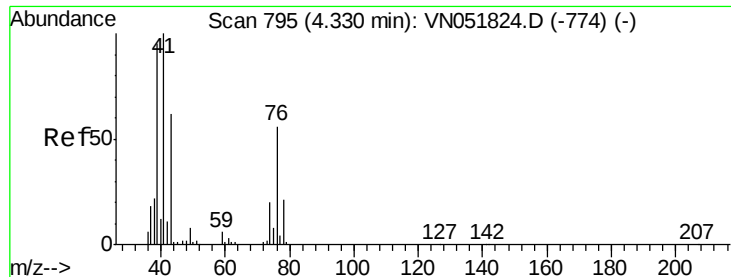
#5
Bromomethane
Concen: 0.326 ug/l
RT: 2.57 min Scan# 248
Delta R.T. 0.01 min
Lab File: VN051863.D
Acq: 15 Oct 2018 10:11

Tgt Ion: 94 Resp: 1992
Ion Ratio Lower Upper
94 100
96 74.9 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VN
Ion 96.00 (95.70 to 96.70): VN

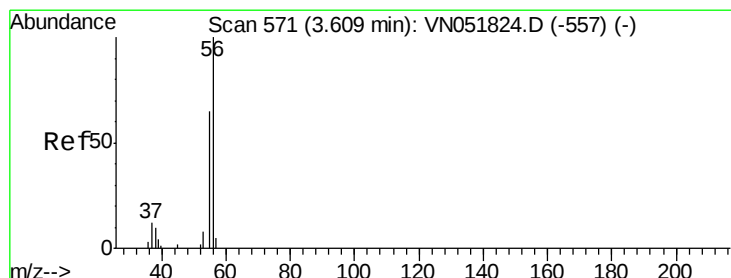
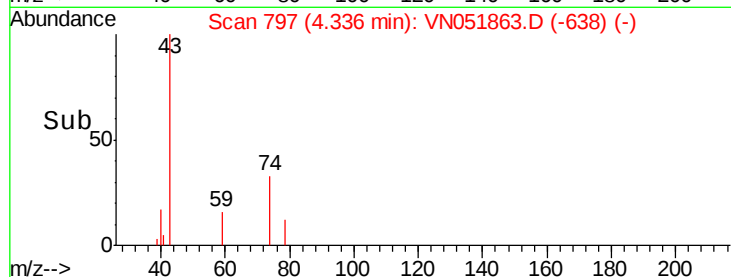
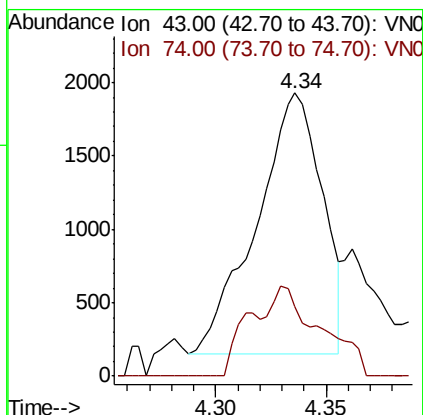
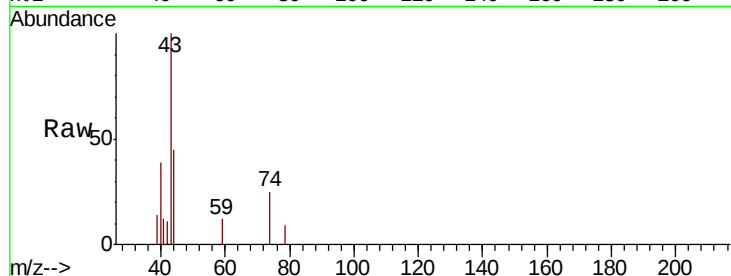




#12
Methvl Acetate
Concen: 1.130 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051863.D
Acq: 15 Oct 2018 10:11

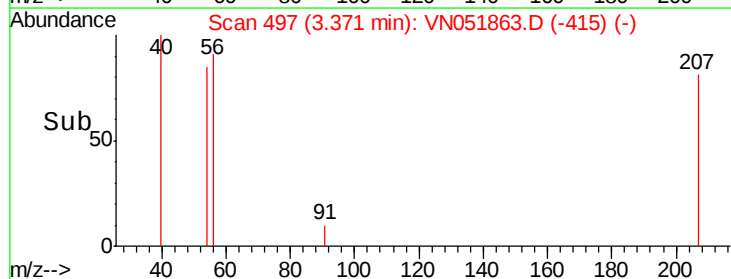
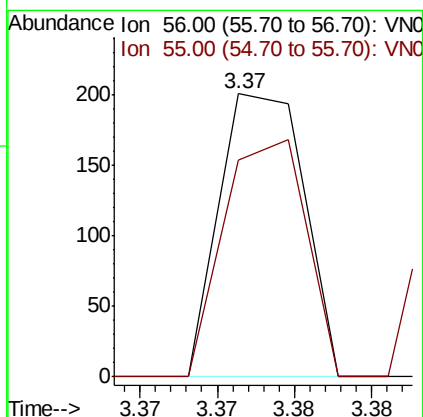
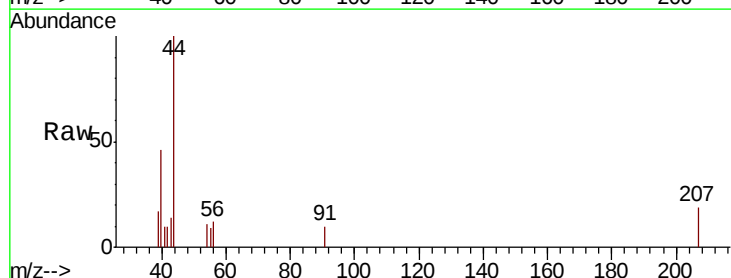
Instrument :
MSVOA_N
ClientSampled :

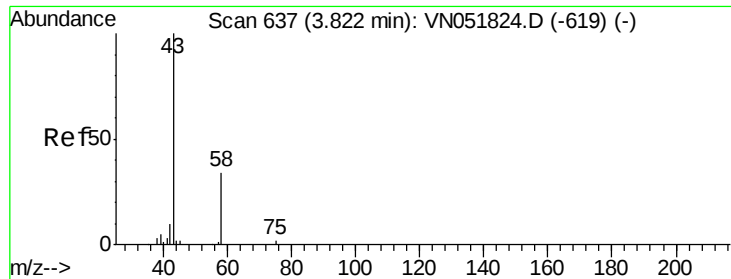
Tot Ion: 43 Resp: 3645
Ion Ratio Lower Upper
43 100
74 23.7 21.8 32.6



#13
Acrolein
Concen: 0.358 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.24 min
Lab File: VN051863.D
Acq: 15 Oct 2018 10:11

Tgt Ion: 56 Resp: 76
Ion Ratio Lower Upper
56 100
55 81.6 64.0 96.0





#15

Acetone

Concen: 0.281 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.01 min

Lab File: VN051863.D

Acq: 15 Oct 2018 10:11

Instrument :

MSVOA_N

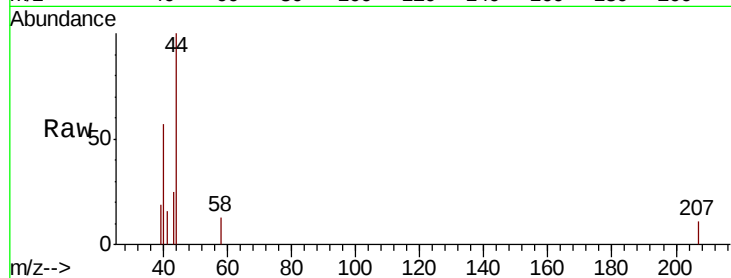
ClientSampled :

Tot Ion: 58 Resp: 100

Ion Ratio Lower Upper

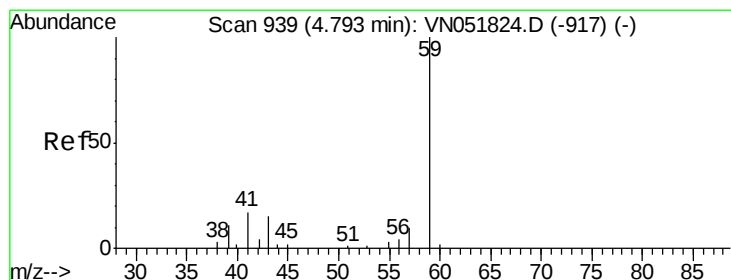
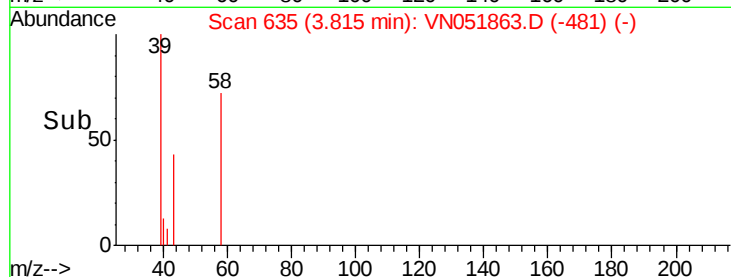
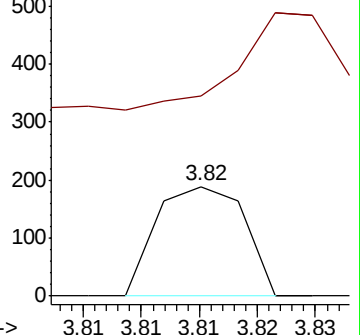
58 100

43 12.7 232.2 348.2#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#23

tert-Butyl Alcohol

Concen: 0.295 ug/l

RT: 4.34 min Scan# 797

Delta R.T. -0.45 min

Lab File: VN051863.D

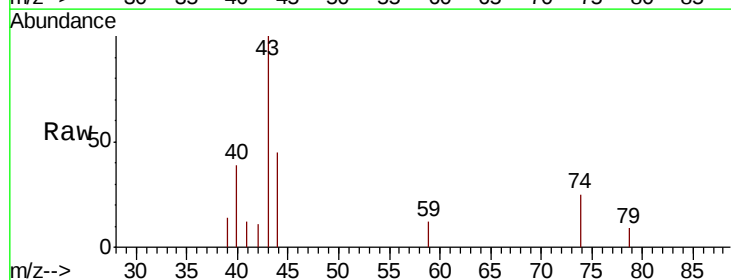
Acq: 15 Oct 2018 10:11

Tgt Ion: 59 Resp: 112

Ion Ratio Lower Upper

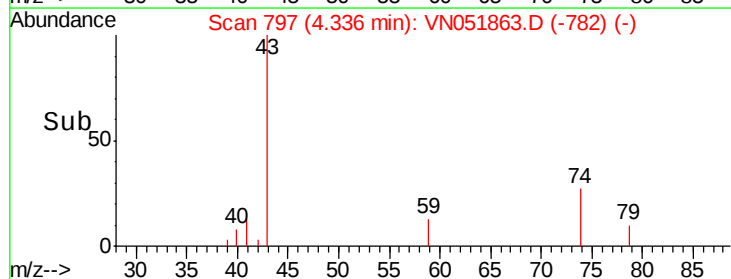
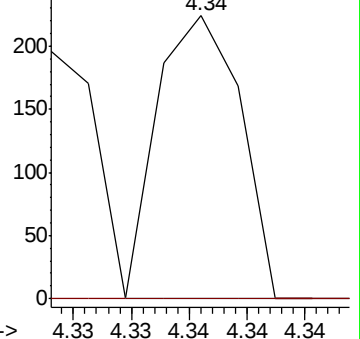
59 100

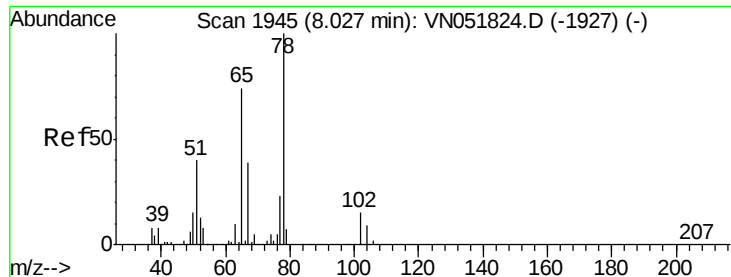
52 55.4 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#27

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN051863.D

Acq: 15 Oct 2018 10:11

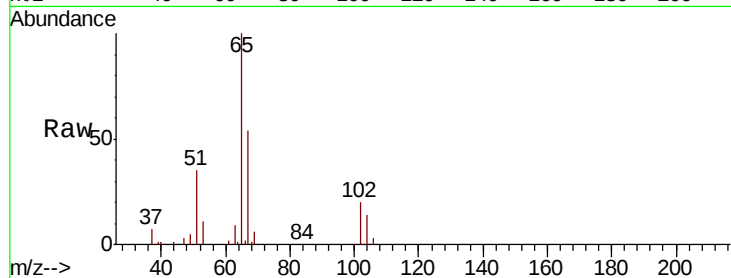
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 202063

Ion Ratio Lower Upper

65 100

67 53.1 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN051824.D (-1927) (-)

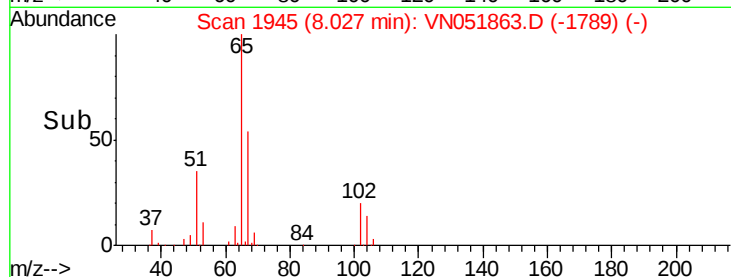
Ion 67.00 (66.70 to 67.70): VN051824.D (-1927) (-)

8.03

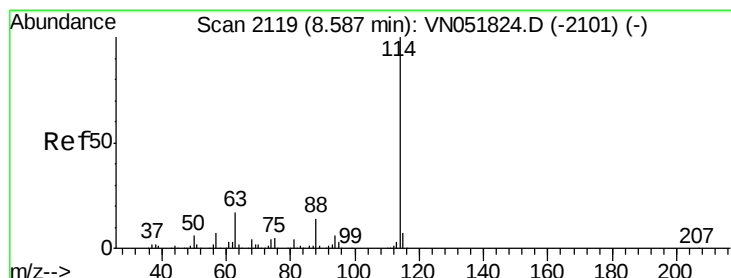
8.05

8.10

Time-->



Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051863.D

Acq: 15 Oct 2018 10:11

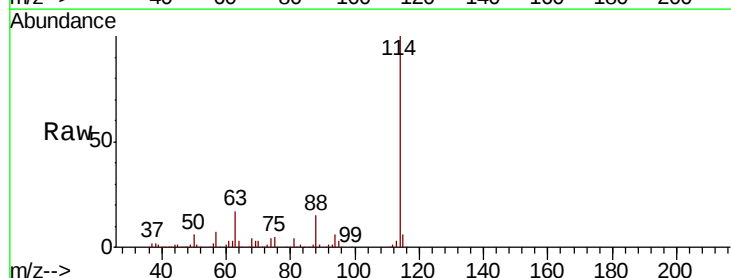
Tgt Ion: 114 Resp: 622870

Ion Ratio Lower Upper

114 100

63 17.1 16.2 24.2

88 14.7 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051824.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN051824.D (-2101) (-)

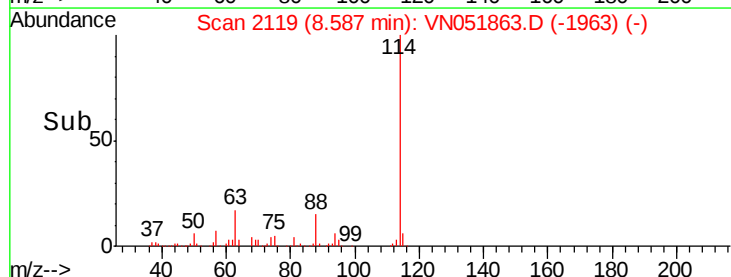
Ion 88.00 (87.70 to 88.70): VN051824.D (-2101) (-)

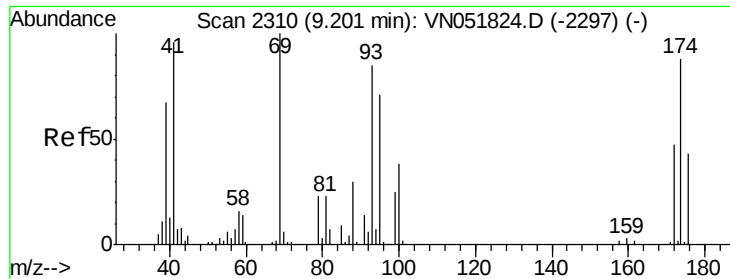
8.59

8.60

8.65

Time-->





#45

1,4-Dioxane

Concen: 2.430 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.38 min

Lab File: VN051863.D

Acq: 15 Oct 2018 10:11

Instrument :

MSVOA_N

ClientSampleId :

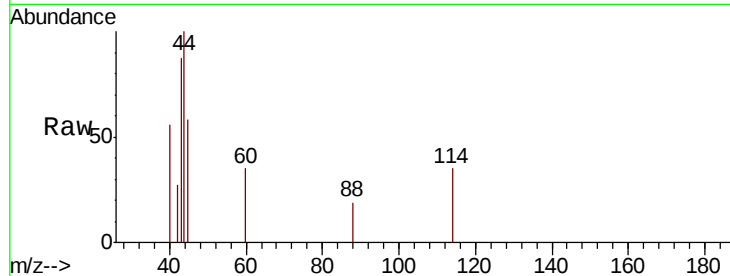
Tot Ion: 88 Resp: 142

Ion Ratio Lower Upper

88 100

43 142.3 26.2 39.2#

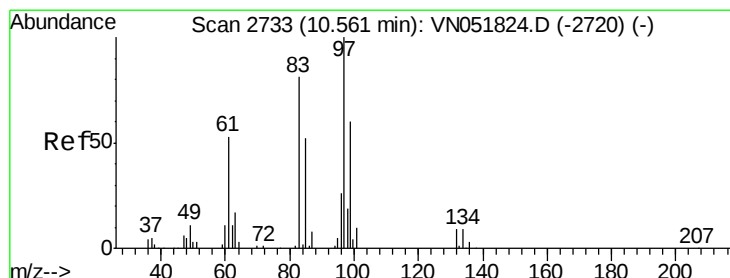
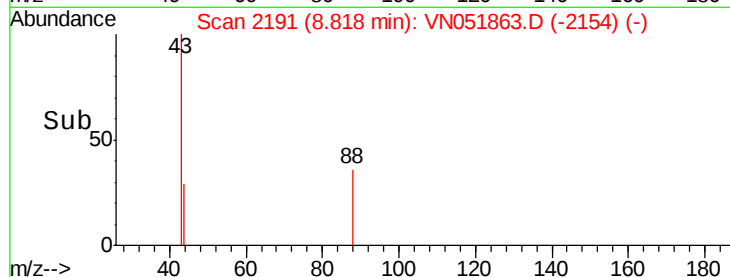
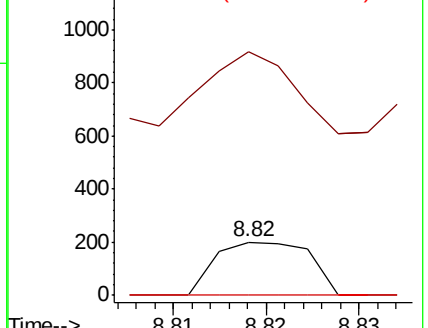
58 0.0 65.6 98.4#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

1,1,2-Trichloroethane

Concen: 3.646 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.47 min

Lab File: VN051863.D

Acq: 15 Oct 2018 10:11

Tgt Ion: 97 Resp: 20909

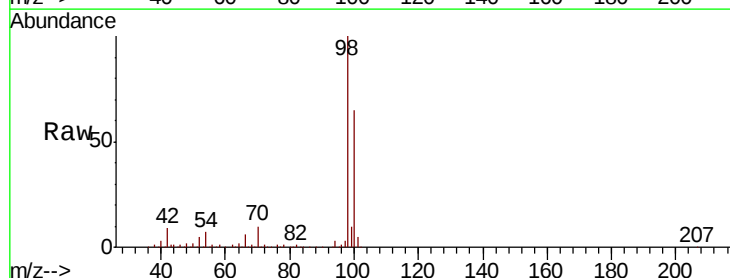
Ion Ratio Lower Upper

97 100

83 3.0 68.2 102.4#

85 0.0 42.5 63.7#

99 278.8 44.3 66.5#

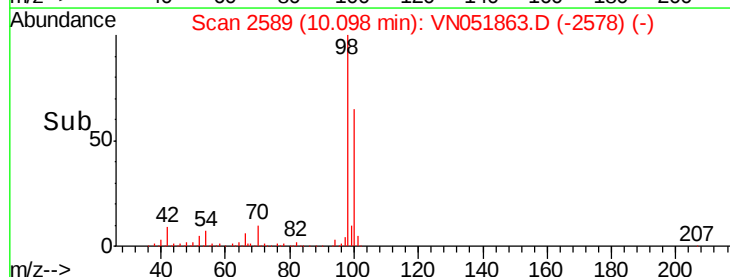
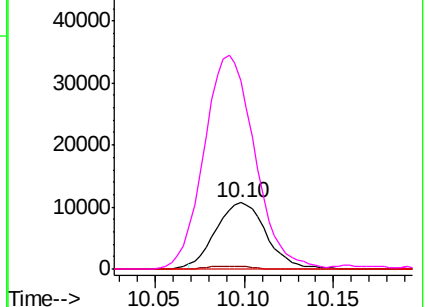


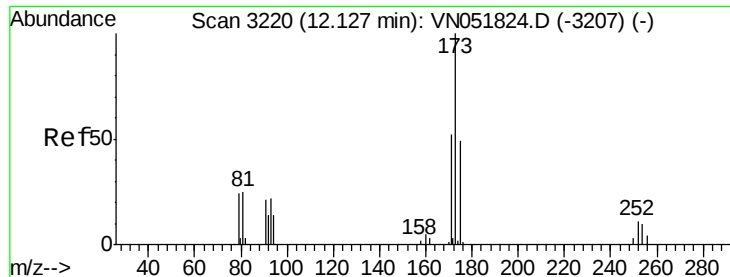
Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0

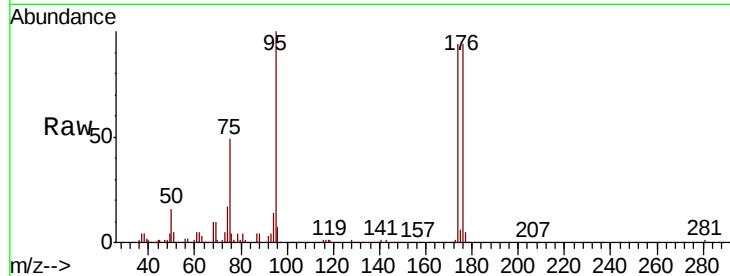




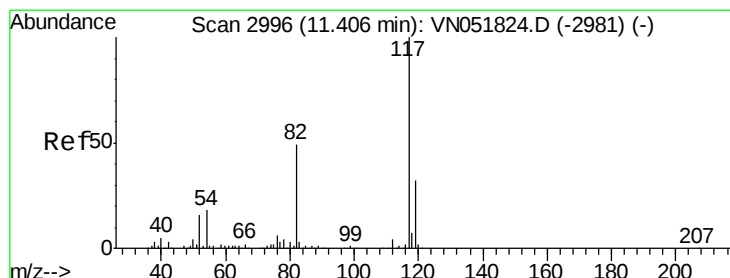
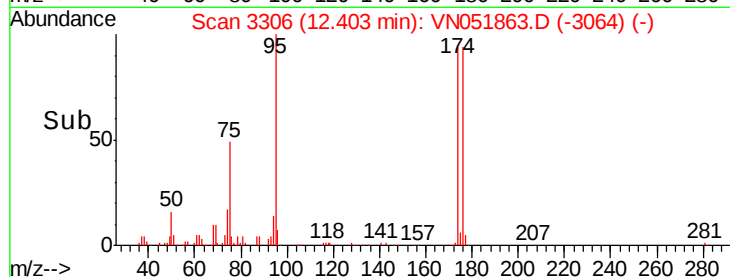
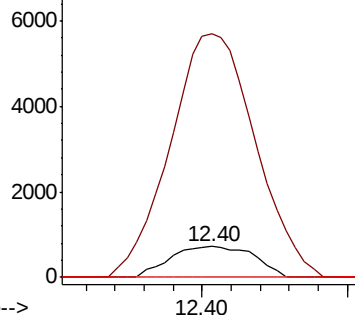
#56
Bromoform
Concen: 0.310 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051863.D
Acq: 15 Oct 2018 10:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 1449
Ion Ratio Lower Upper
173 100
175 799.9 35.8 53.8#
254 0.0 8.6 13.0#

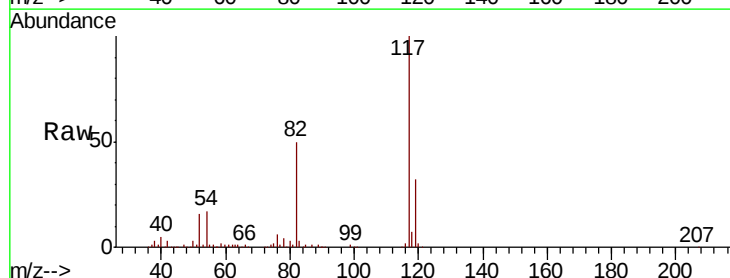


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

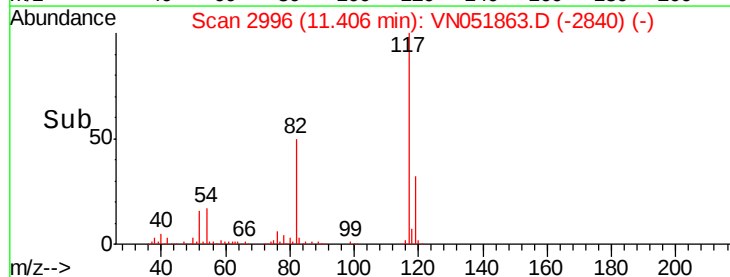
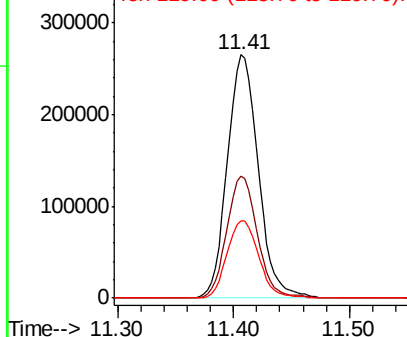


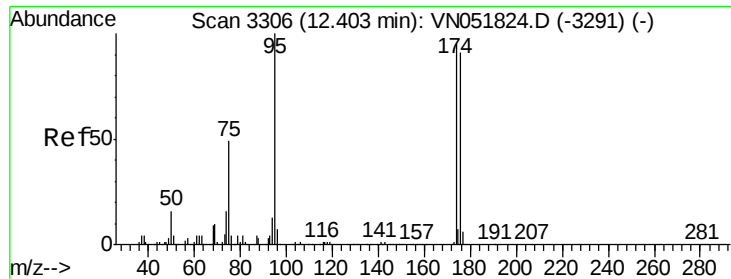
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051863.D
Acq: 15 Oct 2018 10:11

Tgt Ion:117 Resp: 489712
Ion Ratio Lower Upper
117 100
82 49.4 44.1 66.1
119 32.7 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

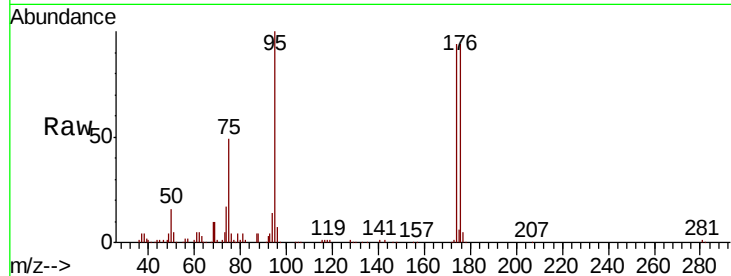




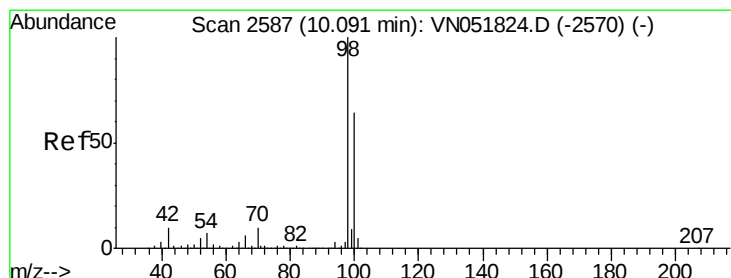
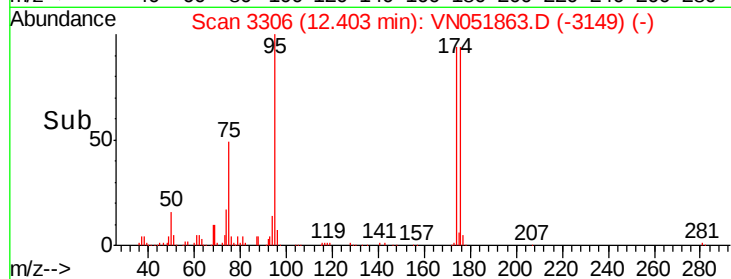
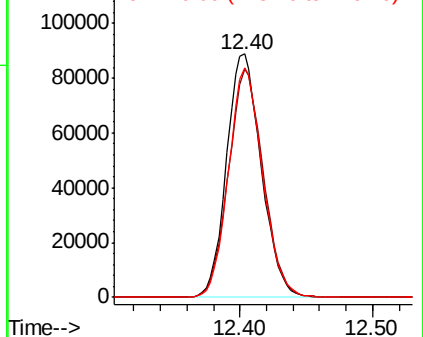
#60
 4-Bromofluorobenzene
 Concen: Below ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051863.D
 Acq: 15 Oct 2018 10:11

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 95 Resp: 161362
 Ion Ratio Lower Upper
 95 100
 174 93.8 73.5 110.3
 176 92.7 70.2 105.2

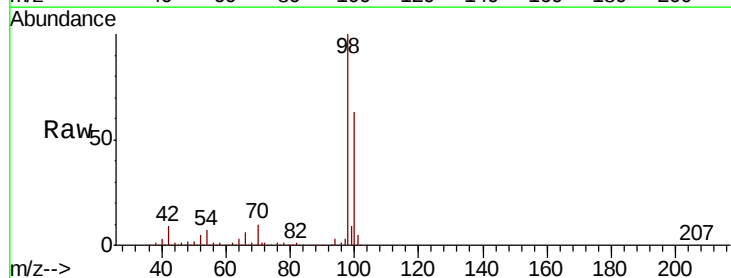


Abundance Ion 95.00 (94.70 to 95.70): VN0
 Ion 174.00 (173.70 to 174.70): V
 Ion 176.00 (175.70 to 176.70): V

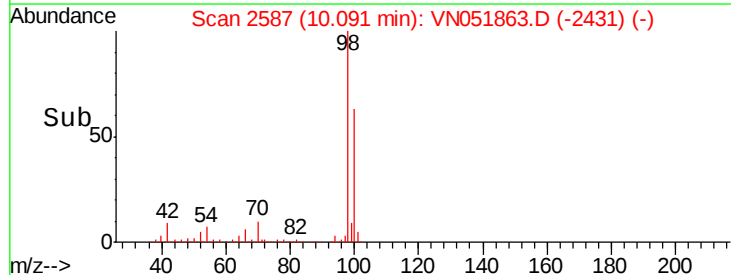
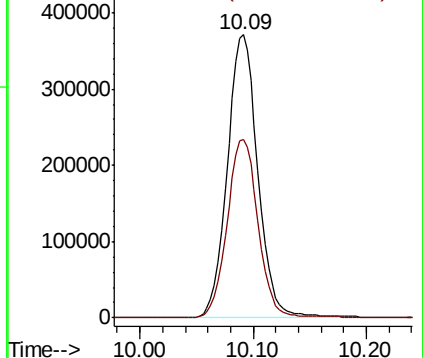


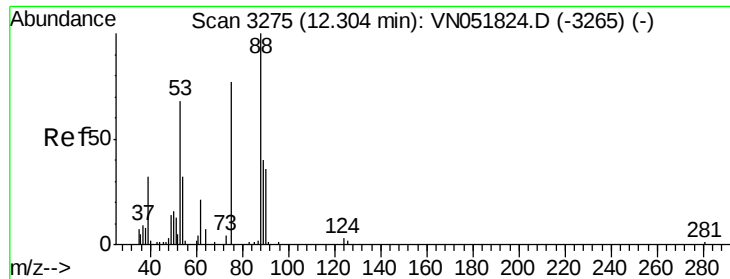
#63
 Toluene-d8
 Concen: Below ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN051863.D
 Acq: 15 Oct 2018 10:11

Tgt Ion: 98 Resp: 697388
 Ion Ratio Lower Upper
 98 100
 100 64.3 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 54.584 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051863.D

Acq: 15 Oct 2018 10:11

Instrument :

MSVOA_N

ClientSampled :

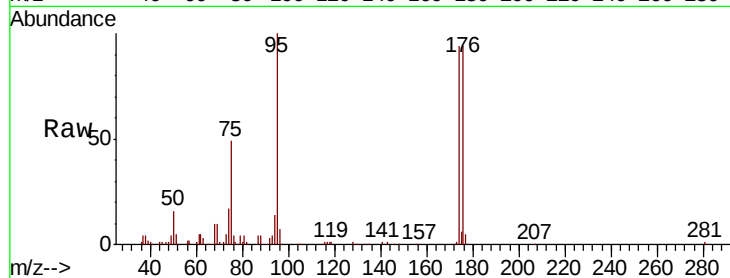
Tot Ion: 75 Resp: 80372

Ion Ratio Lower Upper

75 100

53 0.0 46.3 138.9#

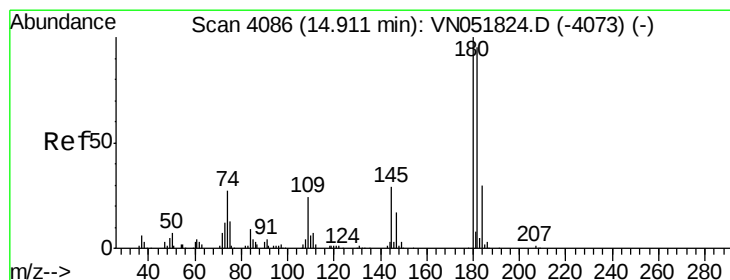
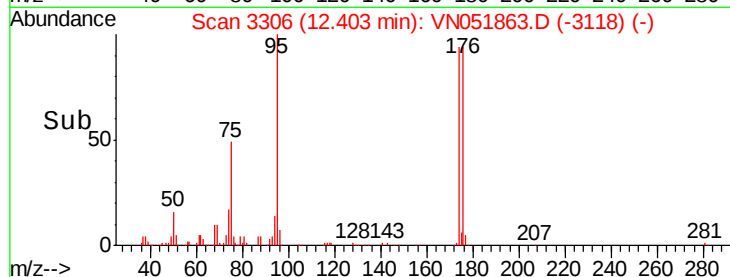
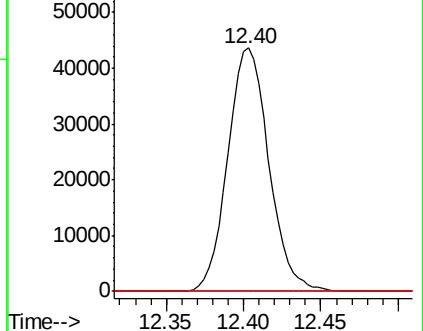
89 0.0 24.6 73.8#



Abundance Ion 75.00 (74.70 to 75.70): VN051863.D (-3118) (-)

Ion 53.00 (52.70 to 53.70): VN051863.D (-3118) (-)

Ion 89.00 (88.70 to 89.70): VN051863.D (-3118) (-)



#89

1,2,4-Trichlorobenzene

Concen: 7.762 ug/l

RT: 14.90 min Scan# 4083

Delta R.T. -0.01 min

Lab File: VN051863.D

Acq: 15 Oct 2018 10:11

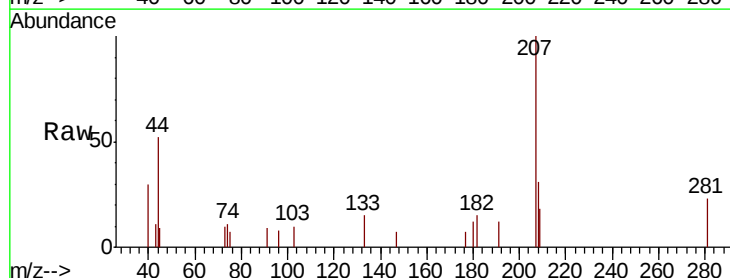
Tgt Ion: 180 Resp: 280

Ion Ratio Lower Upper

180 100

182 201.8 77.7 116.5#

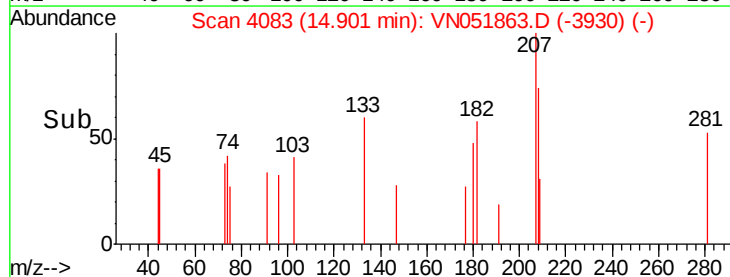
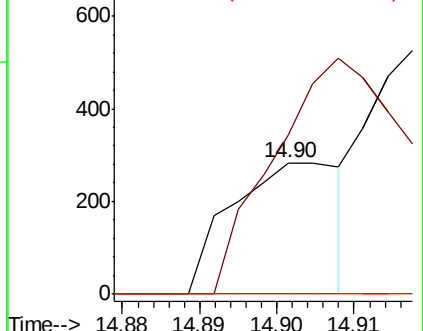
145 0.0 23.4 35.2#

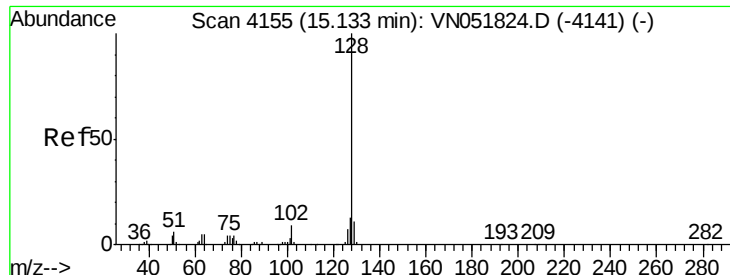


Abundance Ion 180.00 (179.70 to 180.70): VN051863.D (-3930) (-)

Ion 182.00 (181.70 to 182.70): VN051863.D (-3930) (-)

Ion 145.00 (144.70 to 145.70): VN051863.D (-3930) (-)





#91
Naphthalene
Concen: 8.588 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.01 min
Lab File: VN051863.D
Acq: 15 Oct 2018 10:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	3.4	8.4	12.6

