

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092818\
 Data File : VN051617.D
 Acq On : 28 Sep 2018 15:30
 Operator : MD\SY
 Sample : VN0928WBL01
 Misc : Sample
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBL01

Quant Time: Sep 29 01:54:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	113208	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	568387	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	465245	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	239750	30.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.40%
60) 4-Bromofluorobenzene	12.40	95	152922	21.38	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	71.27%
63) Toluene-d8	10.09	98	650377	29.63	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.77%

Target Compounds

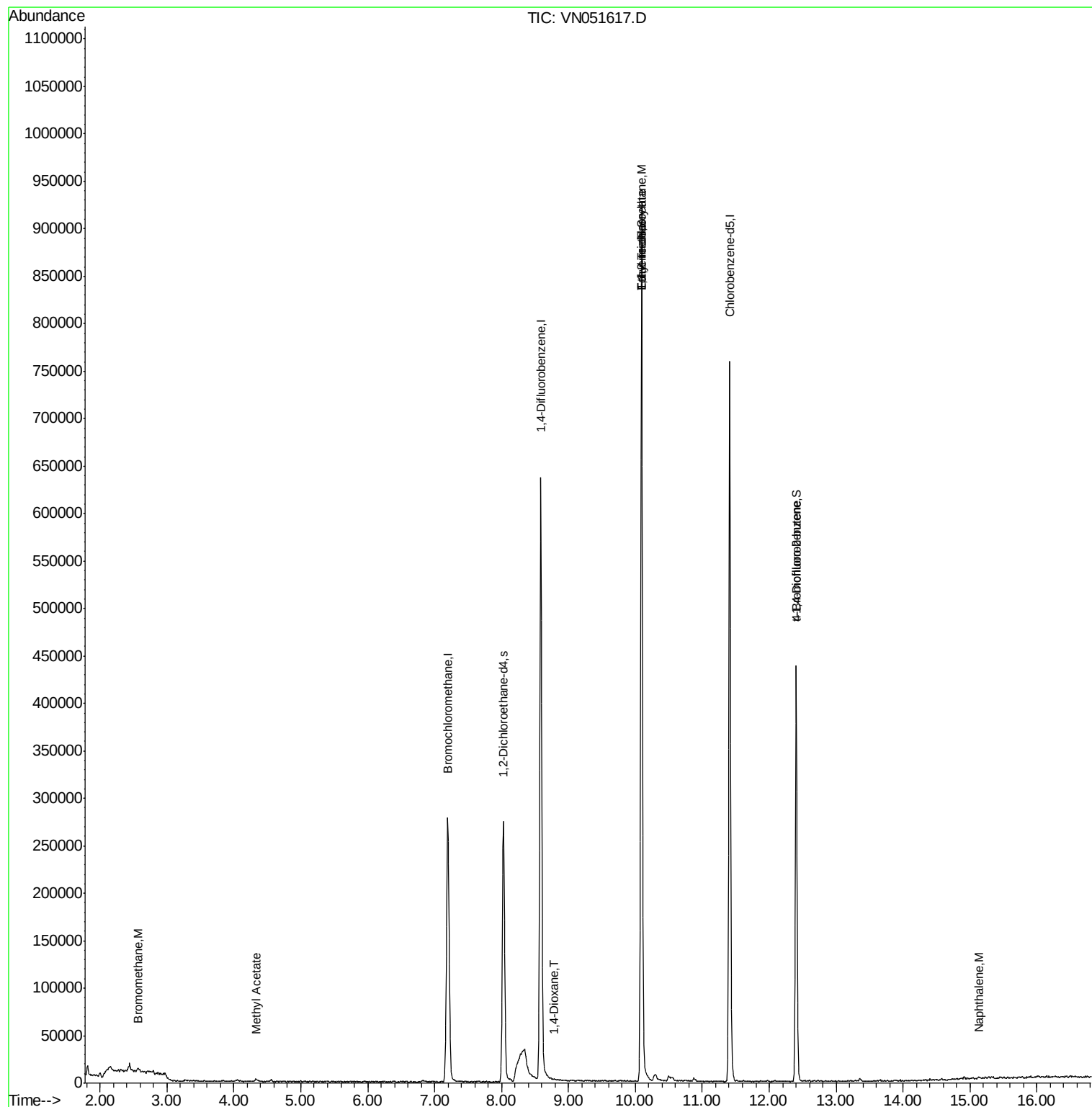
					Ovalue	
5) Bromomethane	2.57	94	1492	0.263	ug/l	92
12) Methyl Acetate	4.33	43	5024	0.833	ug/l #	88
45) 1,4-Dioxane	8.80	88	100	1.691	ug/l #	1
50) 1,1,2-Trichloroethane	10.10	97	19904	3.218	ug/l #	1
51) Ethyl methacrylate	10.09	69	2350	0.313	ug/l #	69
77) t-1,4-Dichloro-2-butene	12.40	75	74784	39.840	ug/l #	11
91) Naphthalene	15.14	128	1640	8.371	ug/l #	68

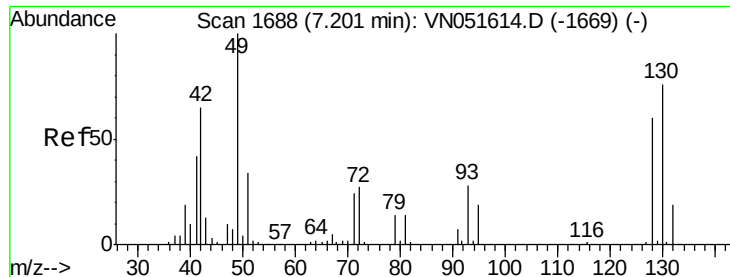
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092818\
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Quant Time: Sep 29 01:54:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Sep 29 01:07:29 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051617.D

Acq: 28 Sep 2018 15:30

Instrument :

MSVOA_N

ClientSampled :

VN0928WBL01

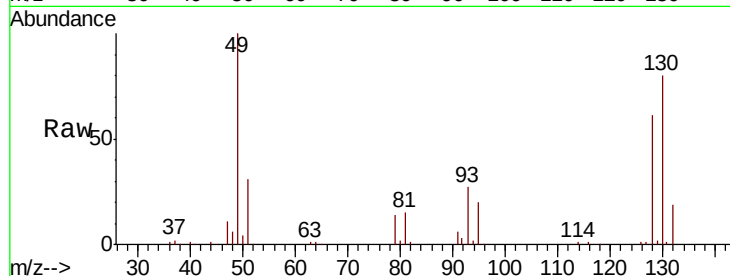
Tot Ion:128 Resp: 113208

Ion Ratio Lower Upper

128 100

49 165.0 0.0 426.8

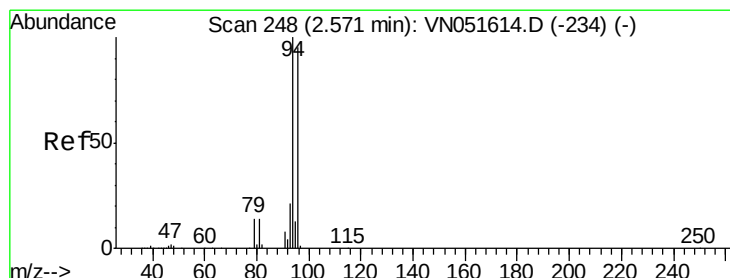
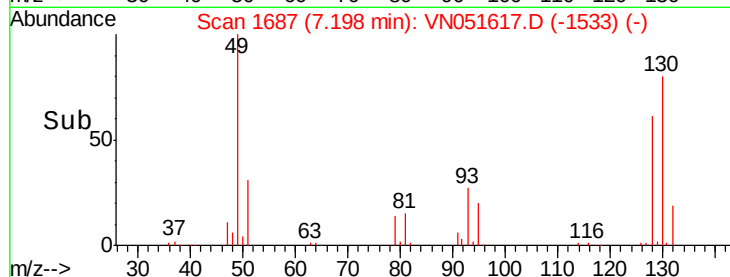
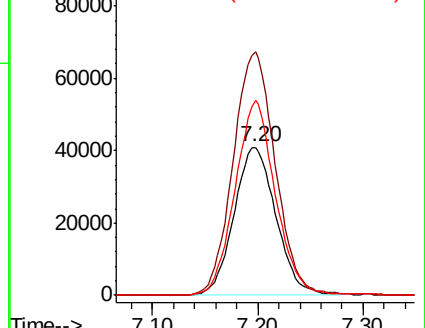
130 126.2 0.0 326.3



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



#5

Bromomethane

Concen: 0.263 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051617.D

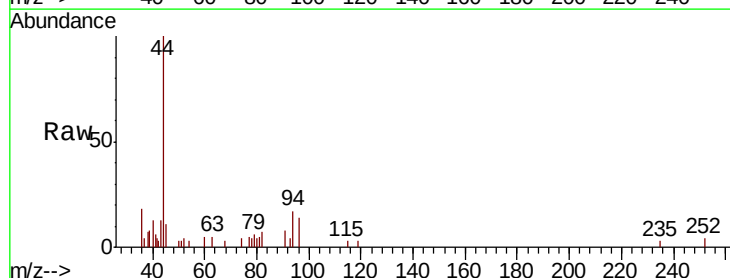
Acq: 28 Sep 2018 15:30

Tgt Ion: 94 Resp: 1492

Ion Ratio Lower Upper

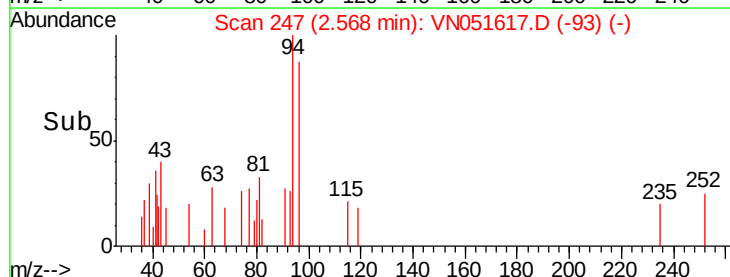
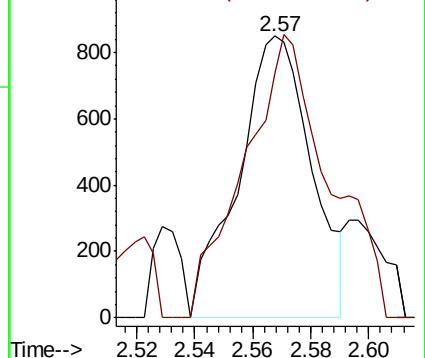
94 100

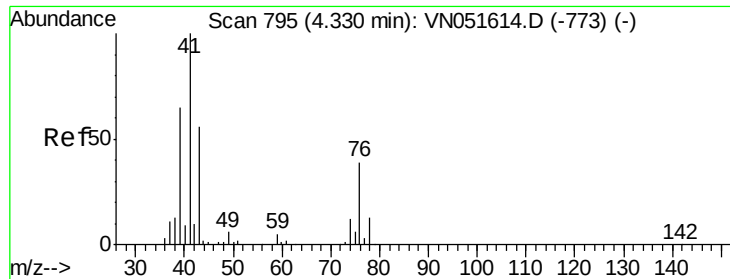
96 86.7 75.8 113.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

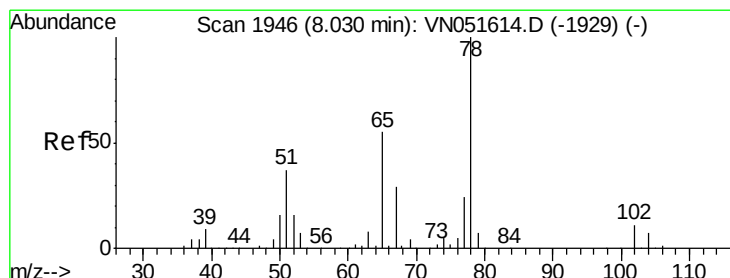
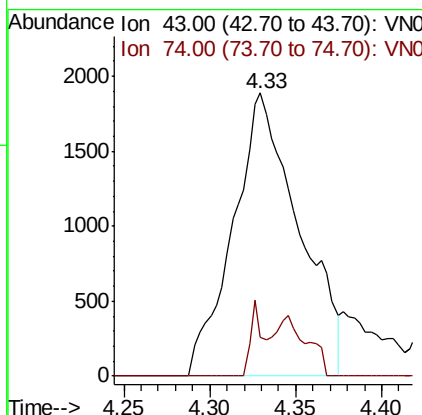
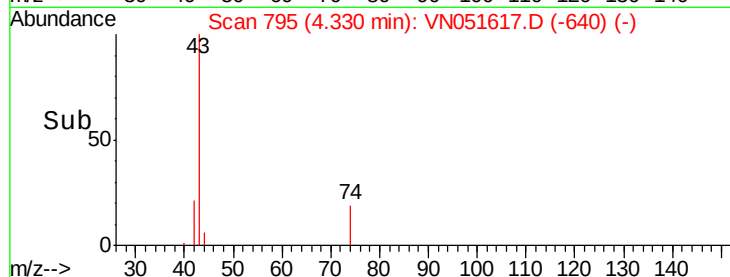
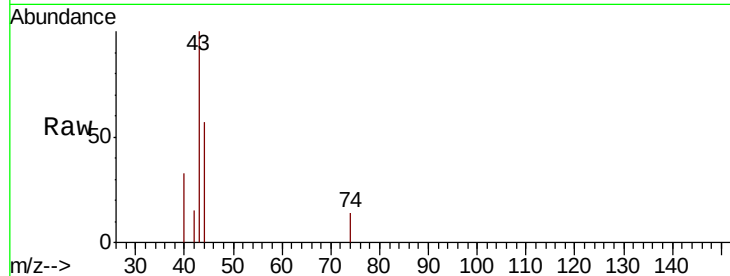




#12
Methyl Acetate
Concen: 0.833 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN051617.D
Acq: 28 Sep 2018 15:30

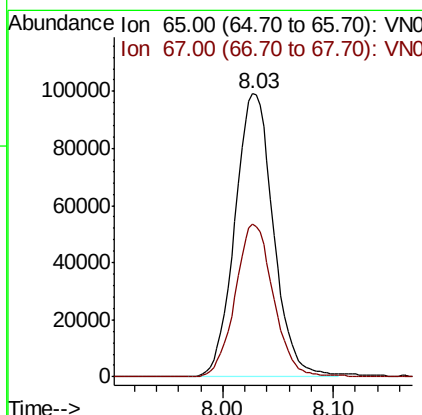
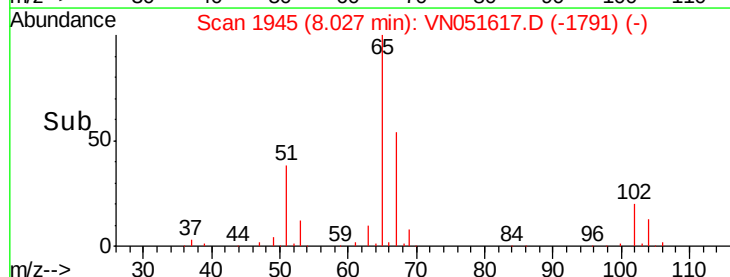
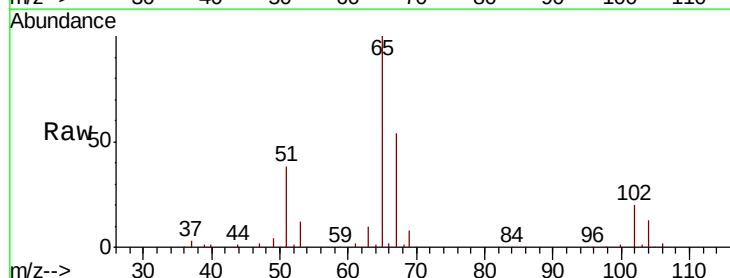
Instrument :
MSVOA_N
ClientSampleId :
VN0928WBL01

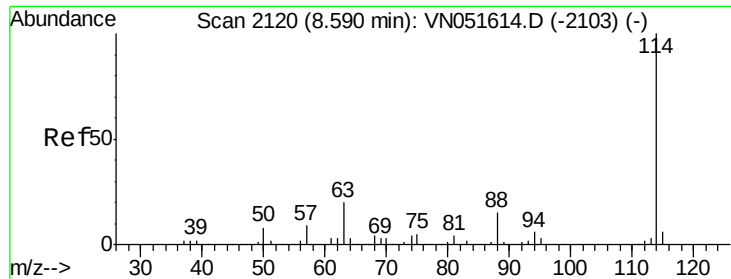
Tot Ion: 43 Resp: 5024
Ion Ratio Lower Upper
43 100
74 15.4 17.0 25.4#



#27
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN051617.D
Acq: 28 Sep 2018 15:30

Tgt Ion: 65 Resp: 239750
Ion Ratio Lower Upper
65 100
67 53.3 43.1 64.7

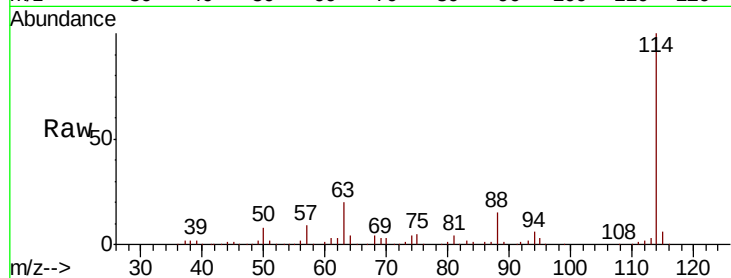




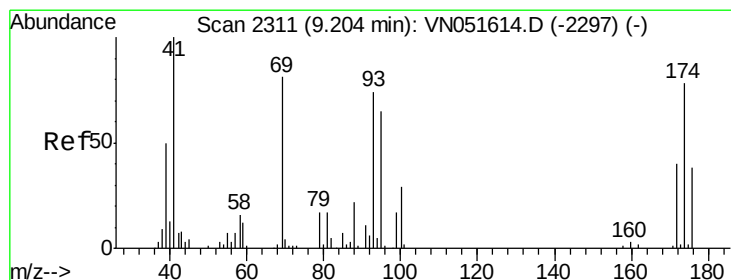
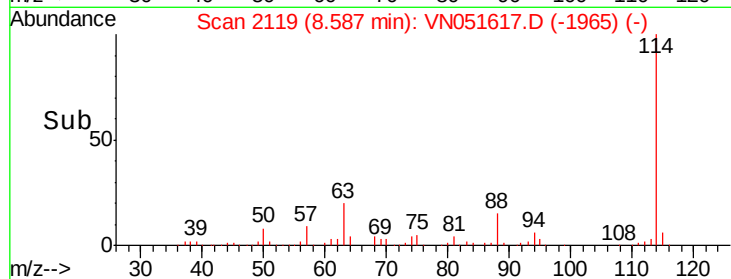
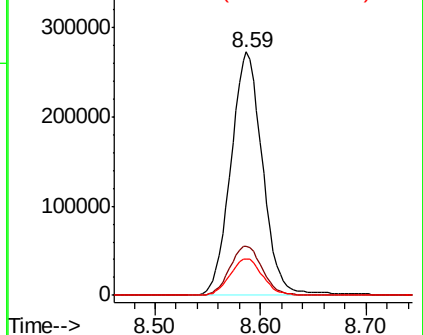
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051617.D
 Acq: 28 Sep 2018 15:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBL01

Tot Ion:114 Resp: 568387
 Ion Ratio Lower Upper
 114 100
 63 20.8 16.4 24.6
 88 15.5 12.6 18.8

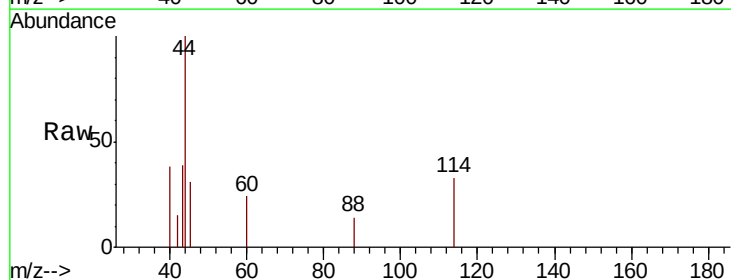


Abundance Ion 114.00 (113.70 to 114.70): VN051617.D (-2119) (-)
 Ion 63.00 (62.70 to 63.70): VN051617.D (-2119) (-)
 Ion 88.00 (87.70 to 88.70): VN051617.D (-2119) (-)

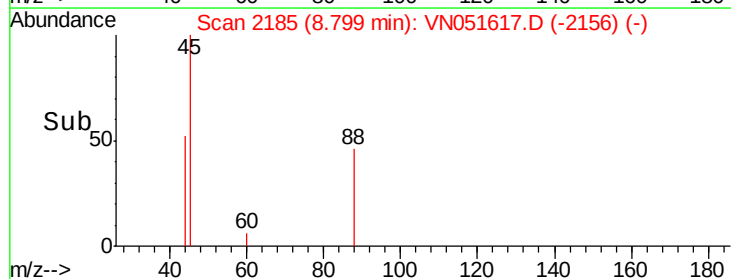
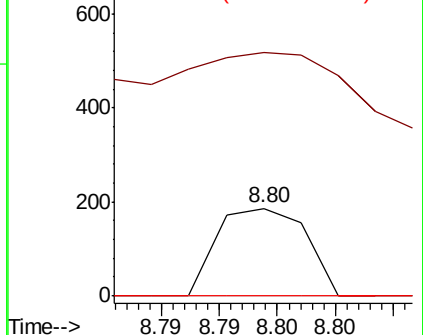


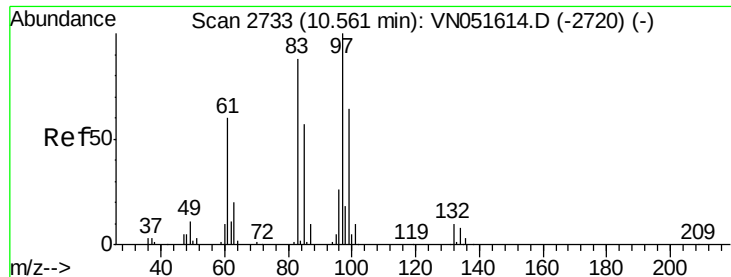
#45
 1,4-Dioxane
 Concen: 1.691 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.41 min
 Lab File: VN051617.D
 Acq: 28 Sep 2018 15:30

Tgt Ion: 88 Resp: 100
 Ion Ratio Lower Upper
 88 100
 43 148.0 29.0 43.6#
 58 0.0 59.0 88.6#



Abundance Ion 88.00 (87.70 to 88.70): VN051617.D (-2185) (-)
 Ion 43.00 (42.70 to 43.70): VN051617.D (-2185) (-)
 Ion 58.00 (57.70 to 58.70): VN051617.D (-2185) (-)

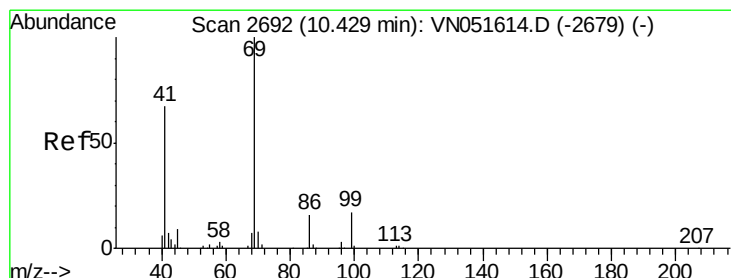
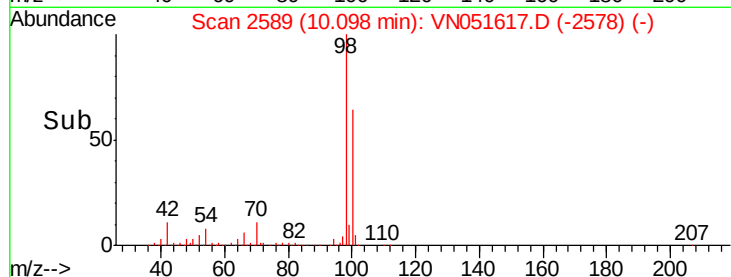
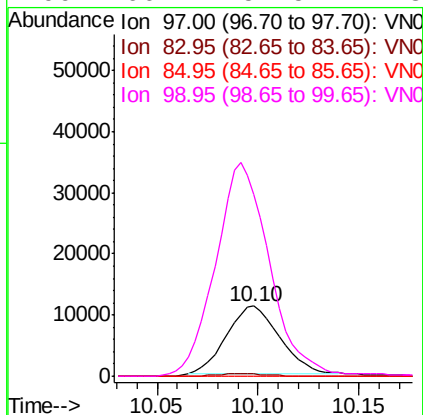
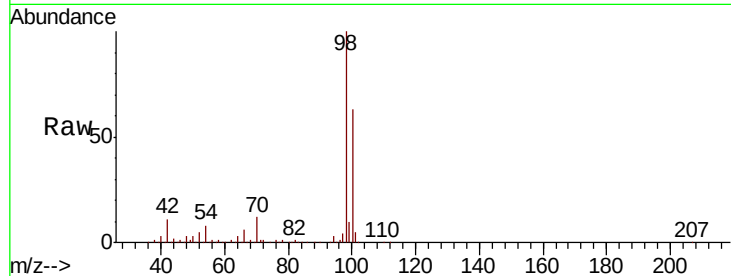




#50
 1,1,2-Trichloroethane
 Concen: 3.218 ug/l
 RT: 10.10 min Scan# 2589
 Delta R.T. -0.46 min
 Lab File: VN051617.D
 Acq: 28 Sep 2018 15:30

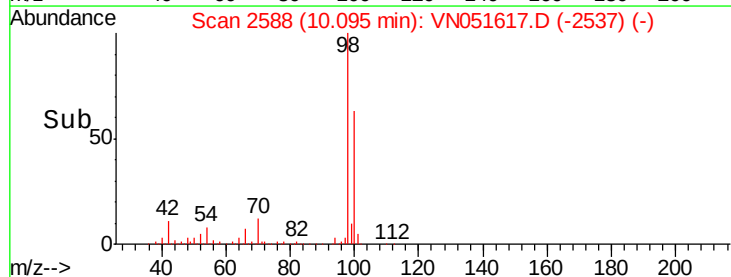
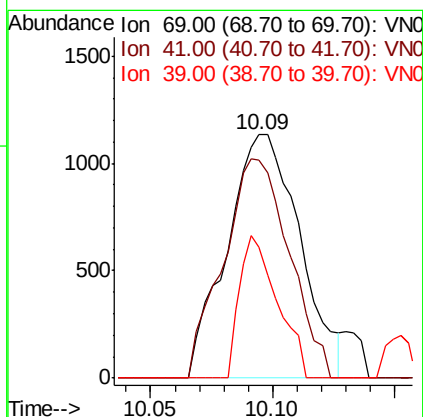
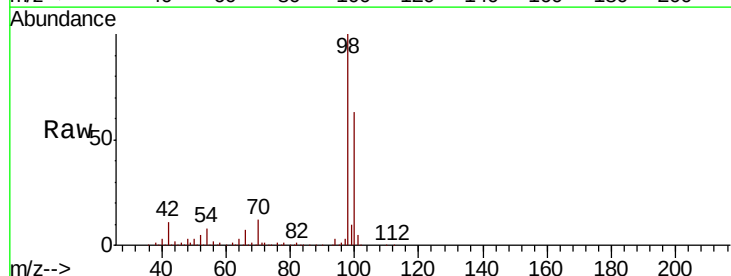
Instrument :
 MSVOA_N
 ClientSampled :
 VN0928WBL01

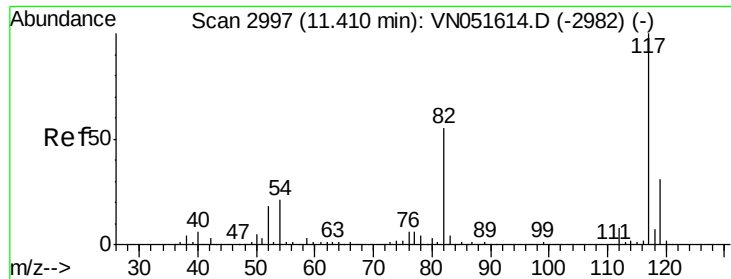
Tot Ion	97	Resp	19904
Ion Ratio	Lower	Upper	
97	100		
83	3.4	70.2	105.2#
85	0.0	45.6	68.4#
99	266.4	51.5	77.3#



#51
 Ethyl methacrylate
 Concen: 0.313 ug/l
 RT: 10.09 min Scan# 2588
 Delta R.T. -0.33 min
 Lab File: VN051617.D
 Acq: 28 Sep 2018 15:30

Tgt Ion	69	Resp	2350
Ion Ratio	Lower	Upper	
69	100		
41	89.5	33.3	99.8
39	54.1	17.2	51.6#

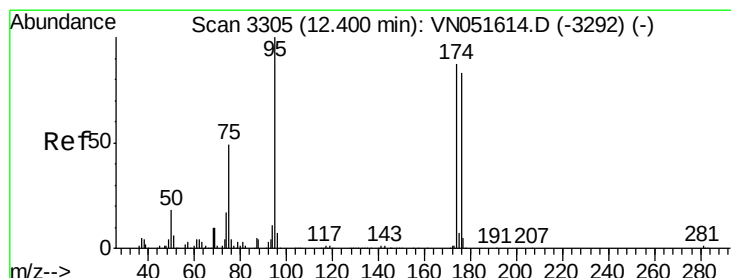
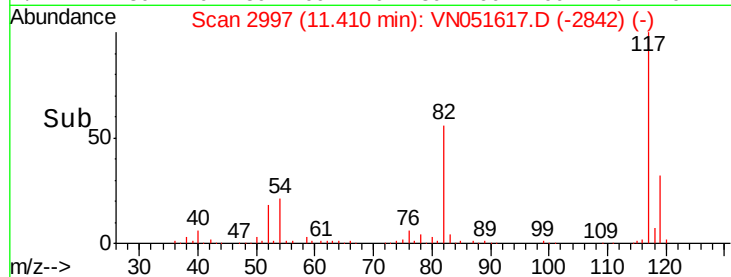
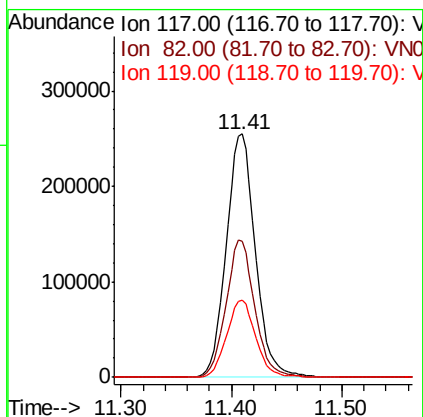
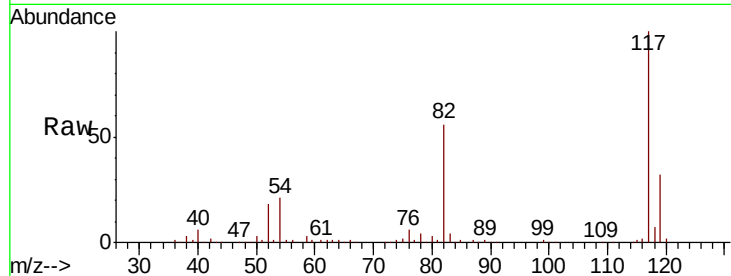




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN051617.D
Acq: 28 Sep 2018 15:30

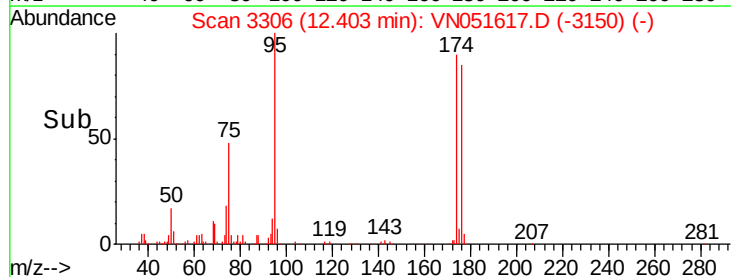
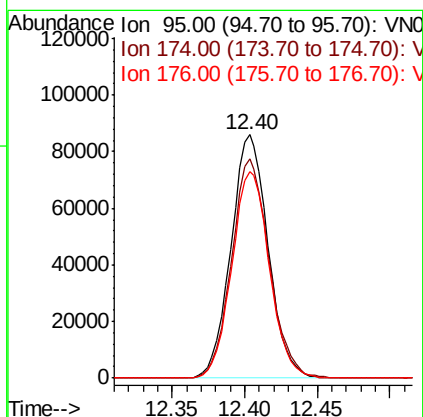
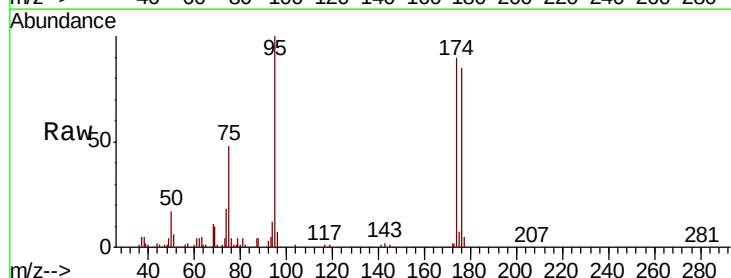
Instrument :
MSVOA_N
ClientSampleId :
VN0928WBL01

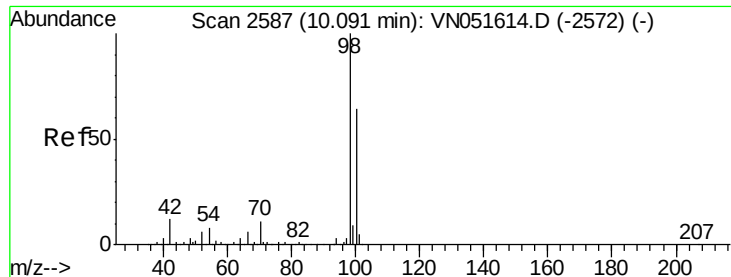
Tot Ion:117 Resp: 465245
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.2
119 31.8 25.2 37.8



#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051617.D
Acq: 28 Sep 2018 15:30

Tgt Ion: 95 Resp: 152922
Ion Ratio Lower Upper
95 100
174 91.2 71.2 106.8
176 85.7 67.8 101.8





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051617.D

Acq: 28 Sep 2018 15:30

Instrument :

MSVOA_N

ClientSampleId :

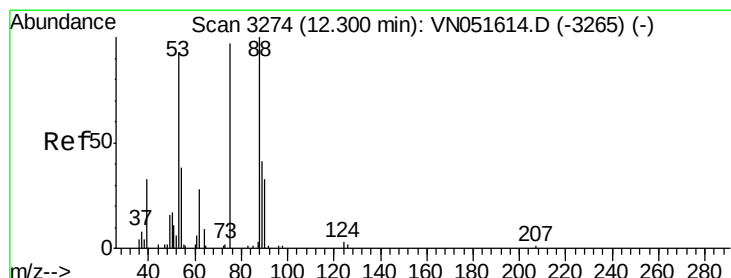
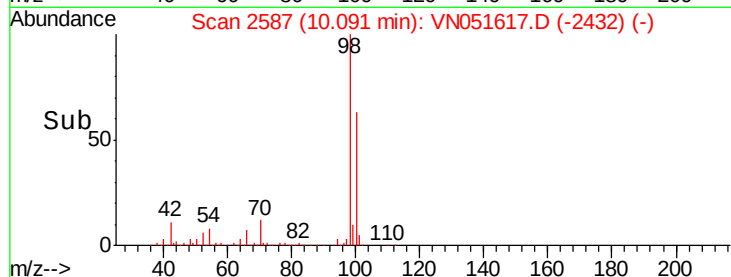
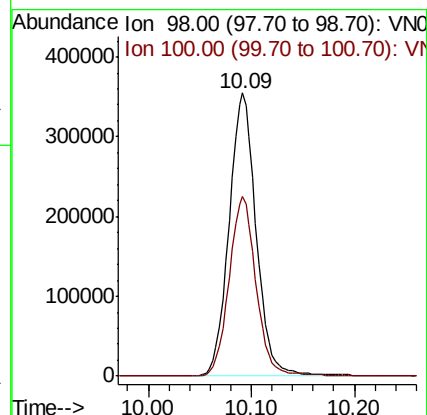
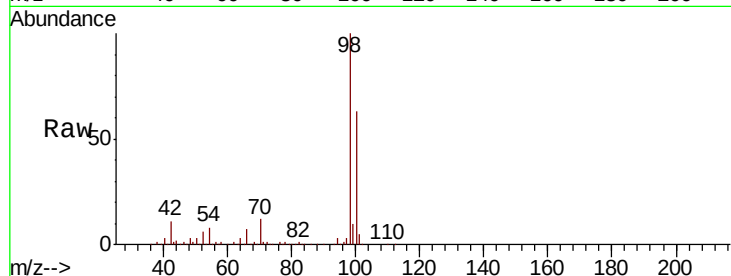
VN0928WBL01

Tot Ion: 98 Resp: 650377

Ion Ratio Lower Upper

98 100

100 62.7 51.4 77.0



#77

t-1,4-Dichloro-2-butene

Concen: 39.840 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051617.D

Acq: 28 Sep 2018 15:30

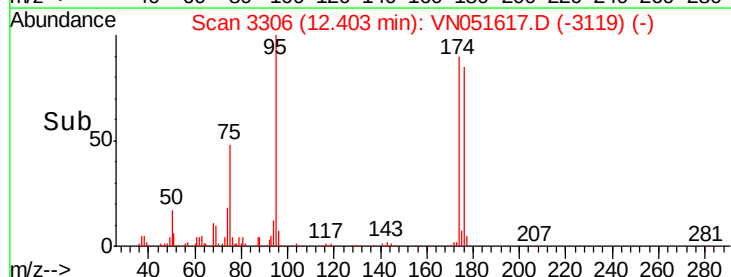
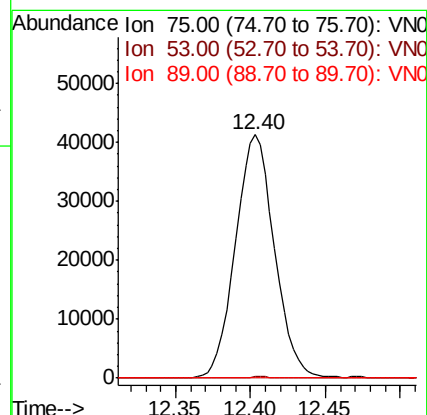
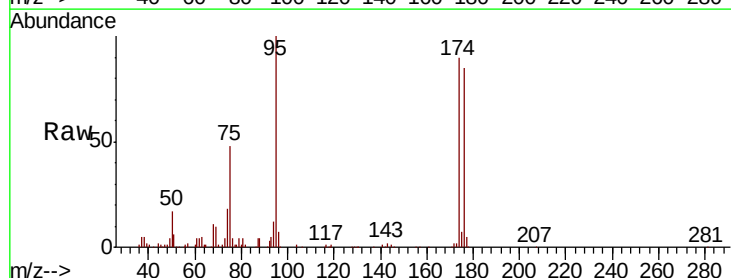
Tgt Ion: 75 Resp: 74784

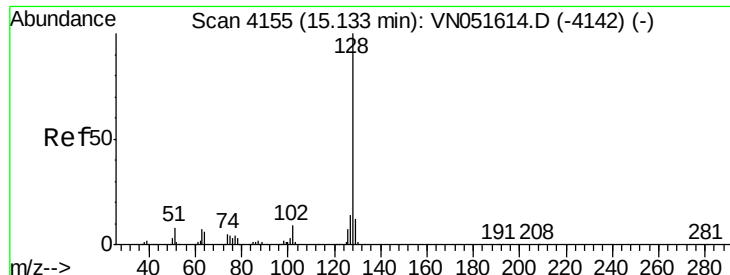
Ion Ratio Lower Upper

75 100

53 0.6 48.1 144.4#

89 0.0 22.4 67.3#





#91

Naphthalene

Concen: 8.371 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051617.D

Acq: 28 Sep 2018 15:30

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBL01

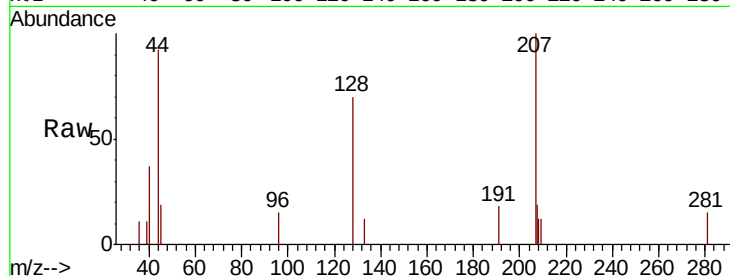
Tot Ion:128 Resp: 1640

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 9.1 13.7#



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

