

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\
 Data File : VN050971.D
 Acq On : 30 Aug 2018 19:09
 Operator : MD\SY
 Sample : VN0830WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBL02

Quant Time: Aug 31 01:40:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	106367	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	573032	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	445444	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	215944	31.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.03%
60) 4-Bromofluorobenzene	12.40	95	137461	20.75	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	69.17%
63) Toluene-d8	10.09	98	642801	30.94	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.13%

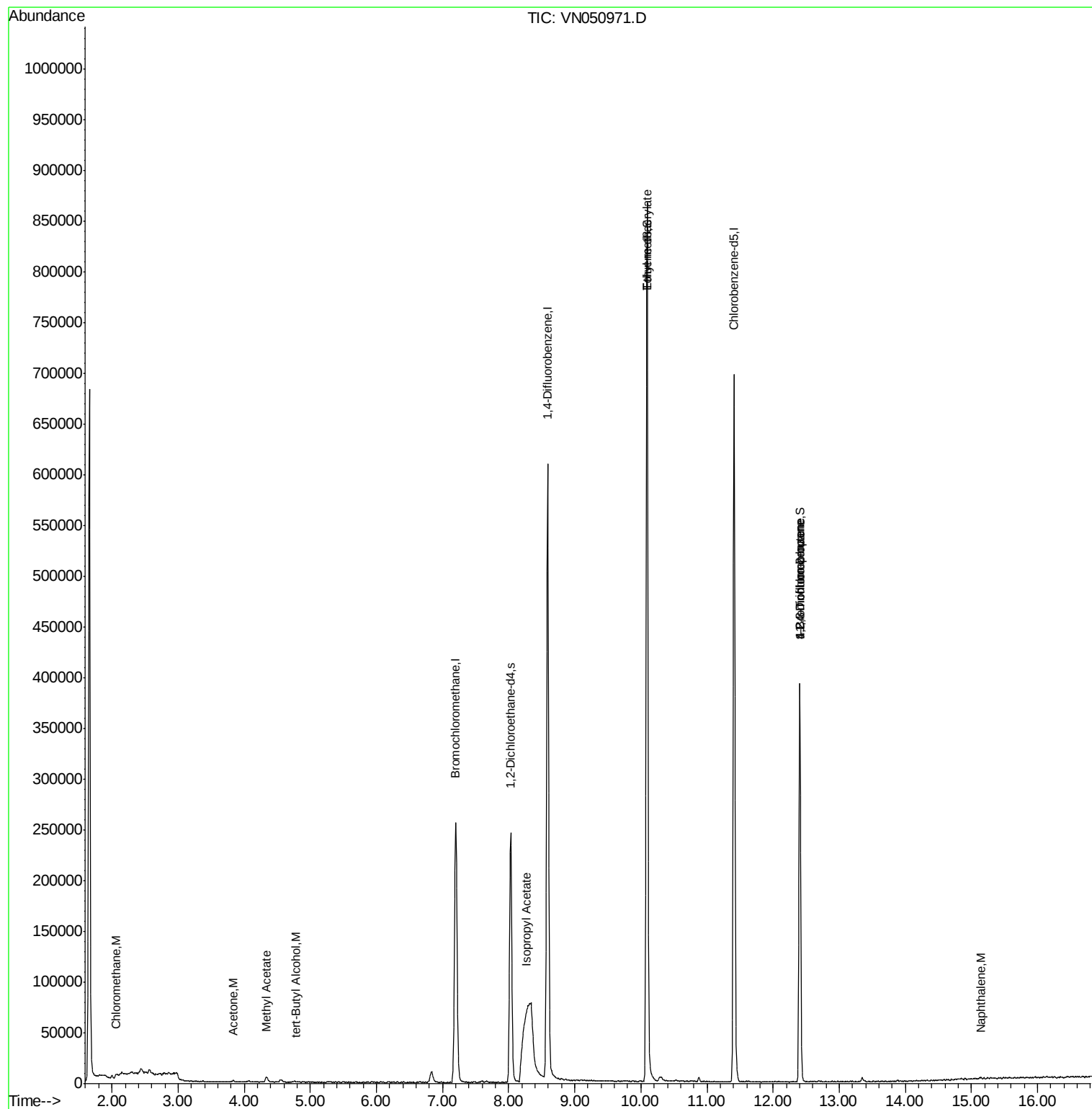
Target Compounds					Ovalue
3) Chloromethane	2.06	50	1692	0.22 ug/l	# 85
12) Methyl Acetate	4.34	43	10079	1.52 ug/l	97
15) Acetone	3.82	58	147	0.26 ug/l	# 1
23) tert-Butyl Alcohol	4.78	59	124	0.26 ug/l	# 100
44) Isopropyl Acetate	8.26	43	84648	8.87 ug/l	# 58
51) Ethyl methacrylate	10.10	69	2181	0.29 ug/l	98
72) 1,2,3-Trichloropropane	12.40	75	65302	11.12 ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	65302	39.02 ug/l	# 13
91) Naphthalene	15.14	128	1069	8.65 ug/l	# 69

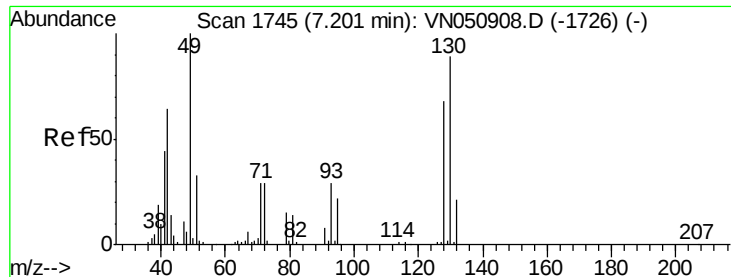
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050971.D

Acq: 30 Aug 2018 19:09

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBL02

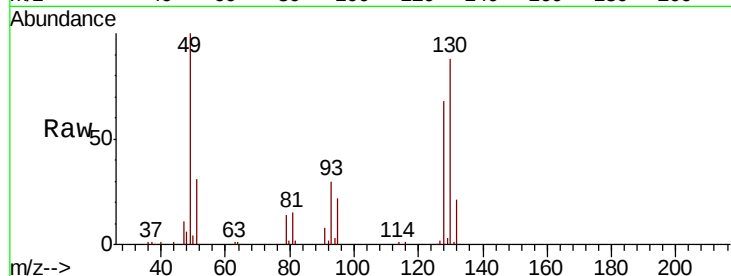
Tot Ion:128 Resp: 106367

Ion Ratio Lower Upper

128 100

49 153.7 0.0 380.3

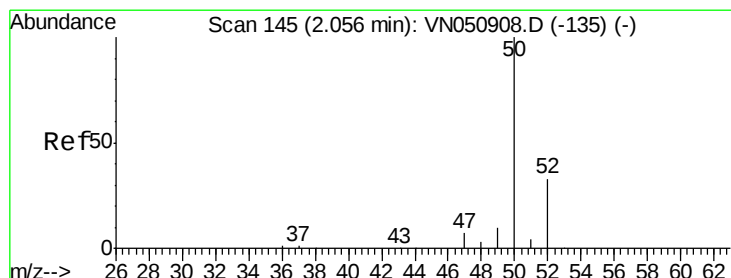
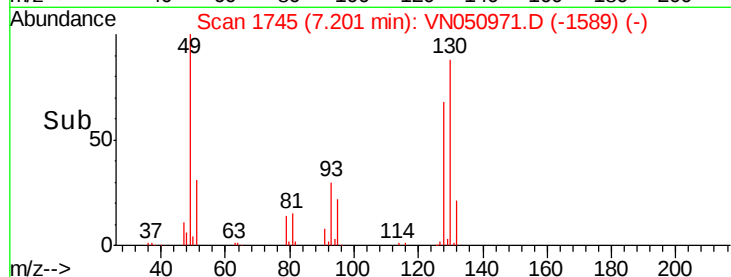
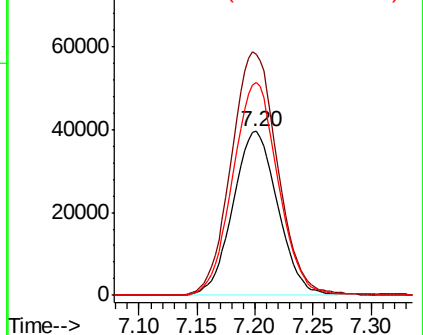
130 131.3 0.0 325.3



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



#3

Chloromethane

Concen: 0.22 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050971.D

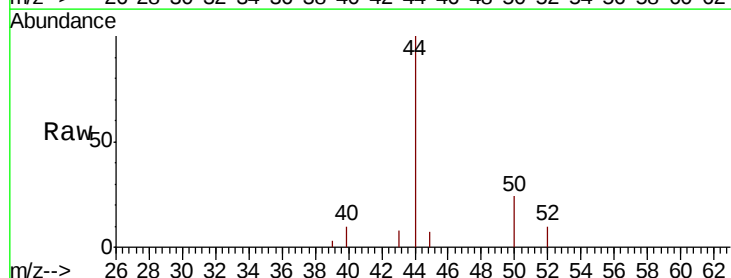
Acq: 30 Aug 2018 19:09

Tgt Ion: 50 Resp: 1692

Ion Ratio Lower Upper

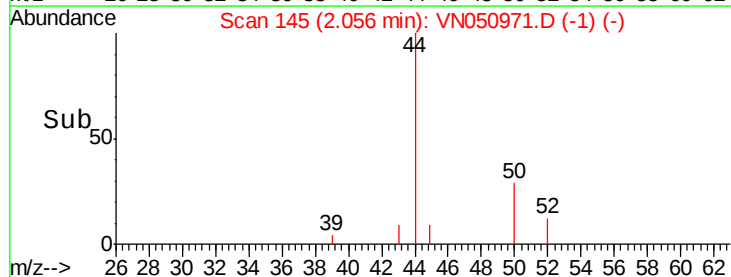
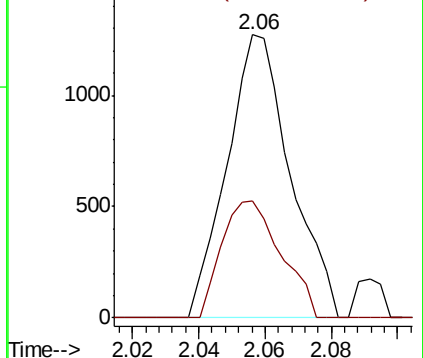
50 100

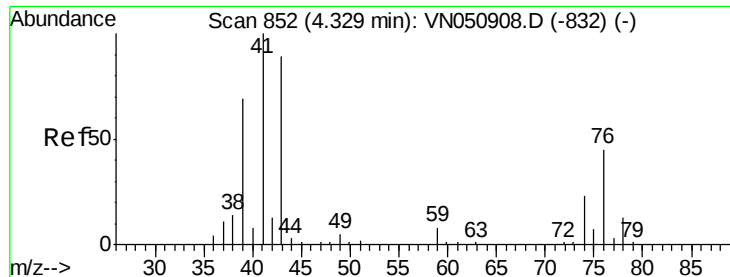
52 41.5 26.2 39.4#



Abundance Ion 50.00 (49.70 to 50.70): VN

Ion 52.00 (51.70 to 52.70): VN





#12

Methvl Acetate

Concen: 1.52 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN050971.D

Acq: 30 Aug 2018 19:09

Instrument :

MSVOA_N

ClientSampleId :

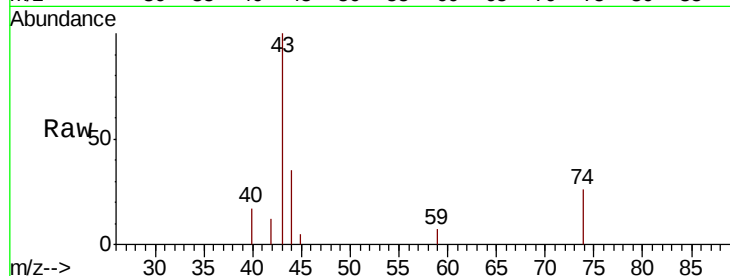
VN0830WBL02

Tot Ion: 43 Resp: 10079

Ion Ratio Lower Upper

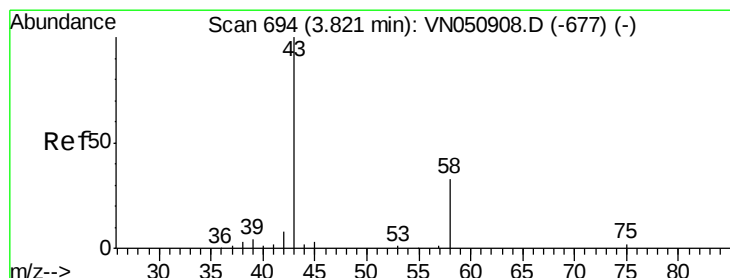
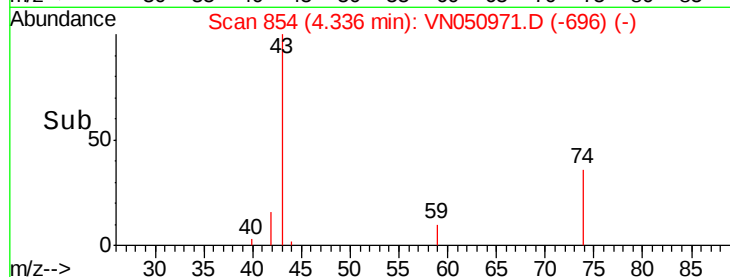
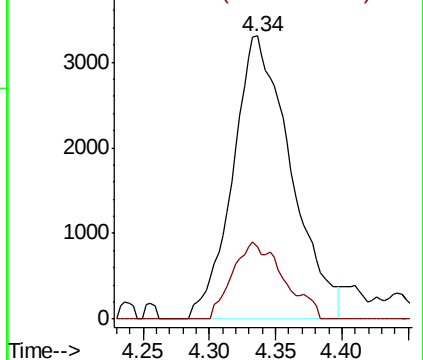
43 100

74 27.2 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#15

Acetone

Concen: 0.26 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050971.D

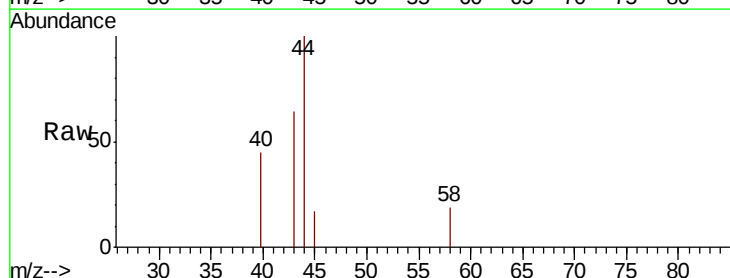
Acq: 30 Aug 2018 19:09

Tgt Ion: 58 Resp: 147

Ion Ratio Lower Upper

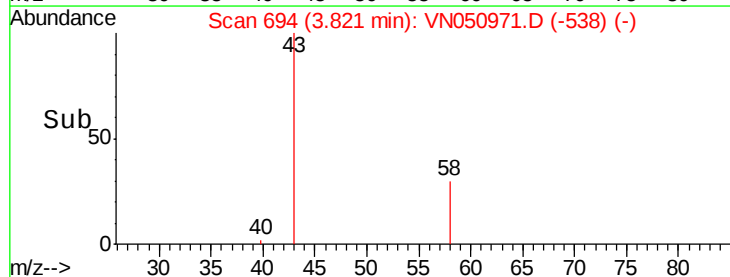
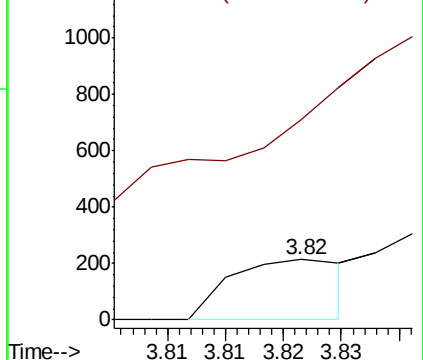
58 100

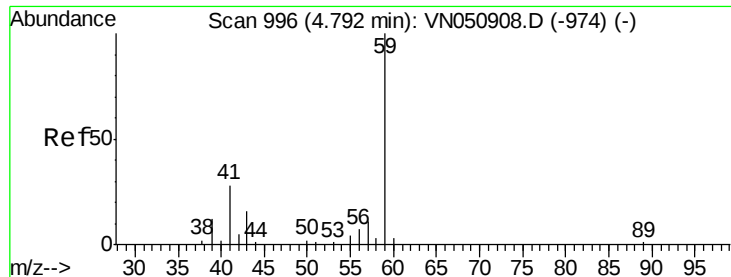
43 65.1 239.4 359.0#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#23

tert-Butyl Alcohol

Concen: 0.26 ug/l

RT: 4.78 min Scan# 993

Delta R.T. -0.01 min

Lab File: VN050971.D

Acq: 30 Aug 2018 19:09

Instrument :

MSVOA_N

ClientSampled :

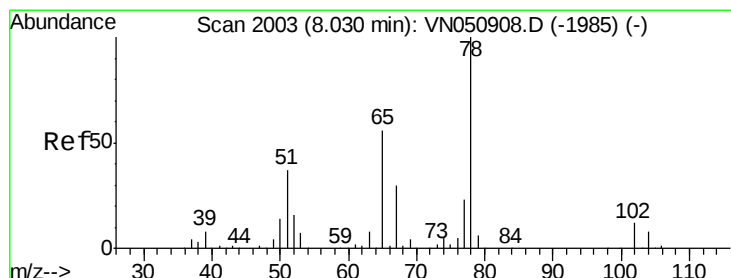
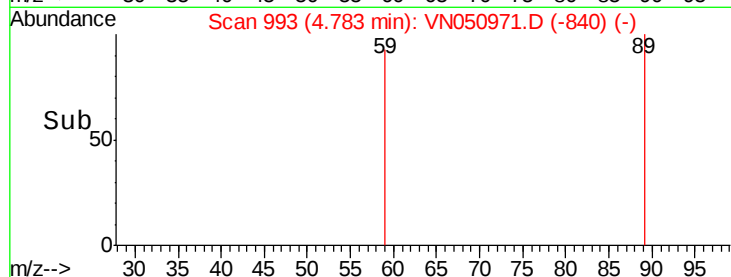
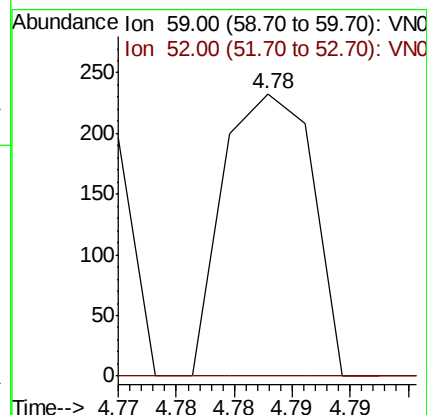
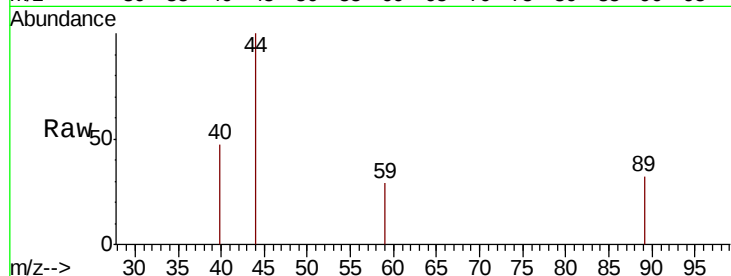
VN0830WBL02

Tot Ion: 59 Resp: 124

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#



#27

1,2-Dichloroethane-d4

Concen: 31.81 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050971.D

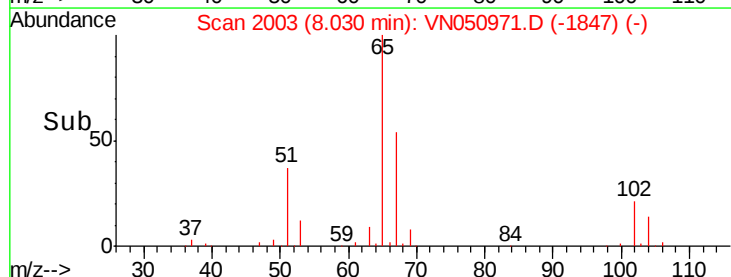
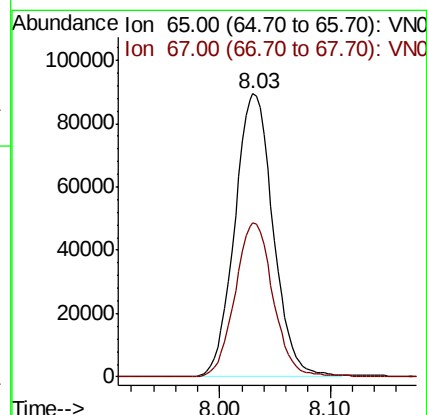
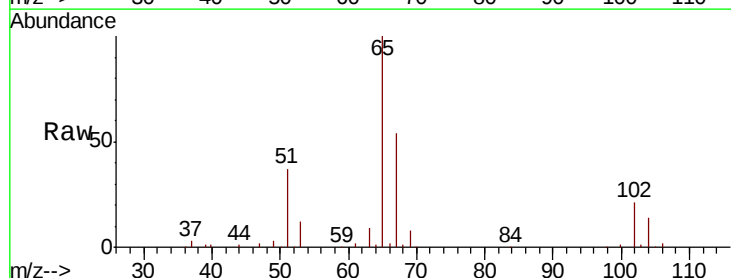
Acq: 30 Aug 2018 19:09

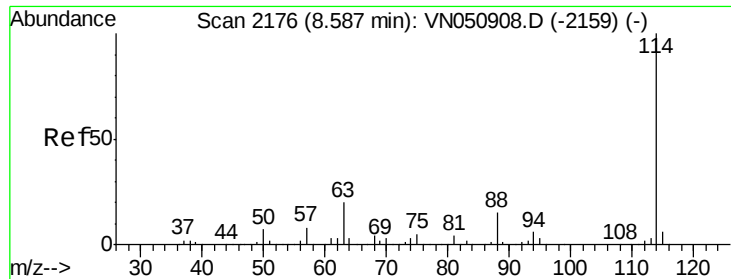
Tgt Ion: 65 Resp: 215944

Ion Ratio Lower Upper

65 100

67 53.7 43.7 65.5

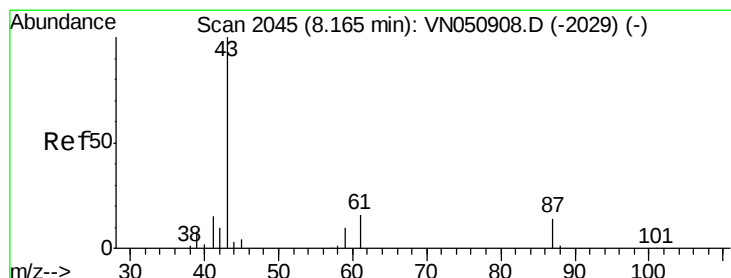
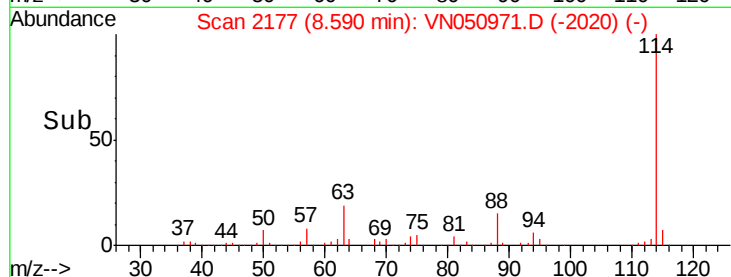
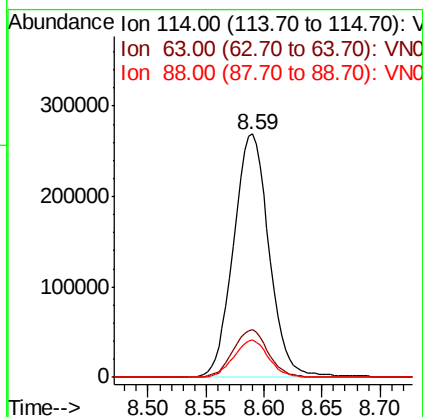
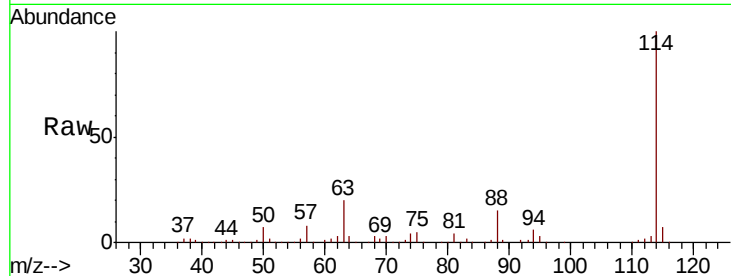




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050971.D
 Acq: 30 Aug 2018 19:09

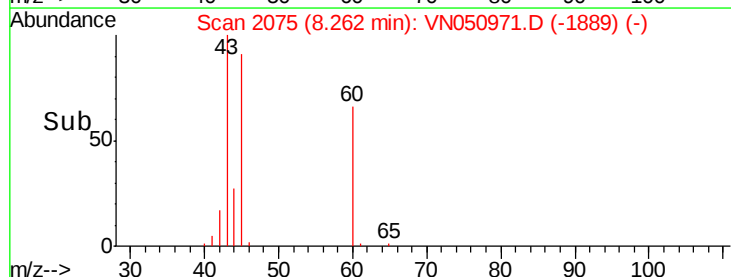
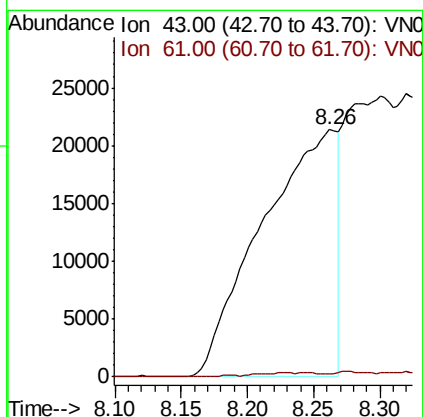
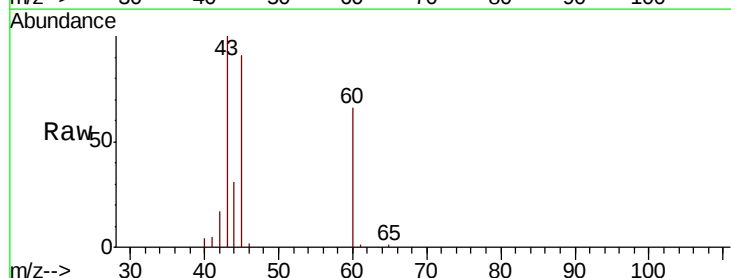
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBL02

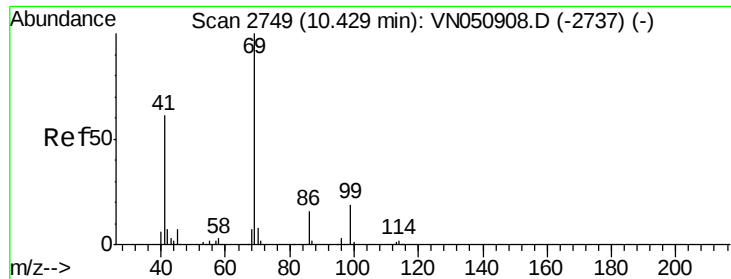
Tot Ion:114 Resp: 573032
 Ion Ratio Lower Upper
 114 100
 63 19.2 15.6 23.4
 88 14.9 12.2 18.4



#44
 Isopropyl Acetate
 Concen: 8.87 ug/l
 RT: 8.26 min Scan# 2075
 Delta R.T. 0.10 min
 Lab File: VN050971.D
 Acq: 30 Aug 2018 19:09

Tgt Ion: 43 Resp: 84648
 Ion Ratio Lower Upper
 43 100
 61 1.0 16.3 24.5#

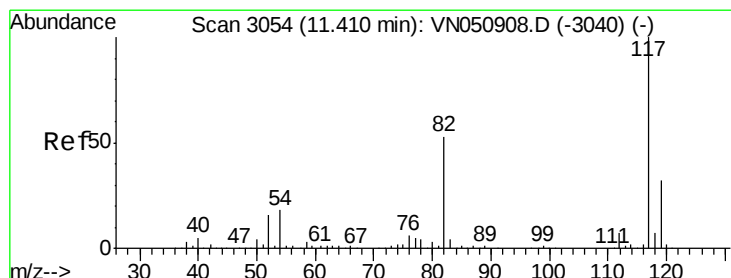
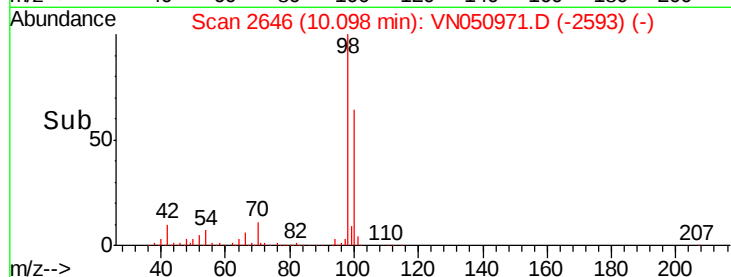
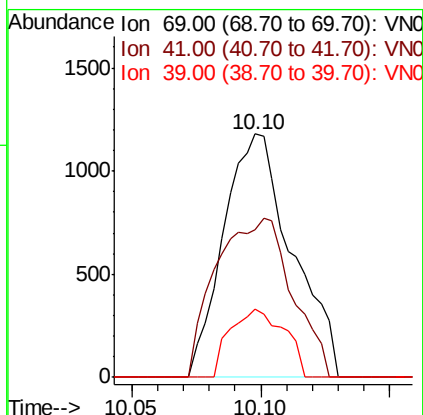
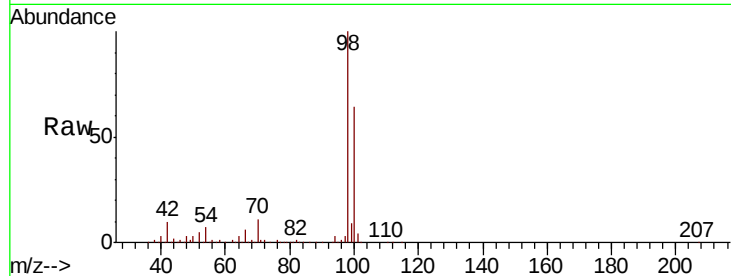




#51
Ethyl methacrylate
Concen: 0.29 ug/l
RT: 10.10 min Scan# 2646
Delta R.T. -0.33 min
Lab File: VN050971.D
Acq: 30 Aug 2018 19:09

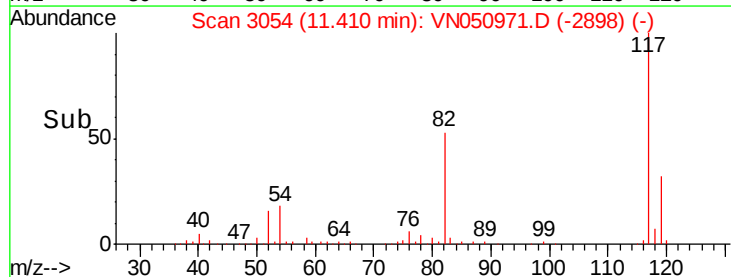
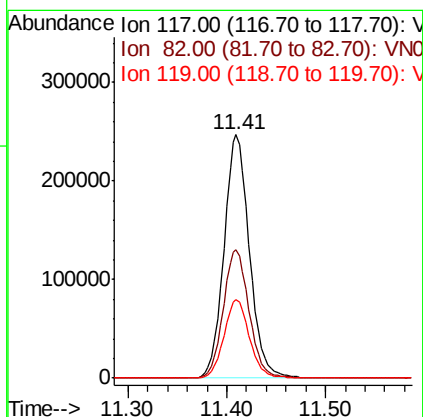
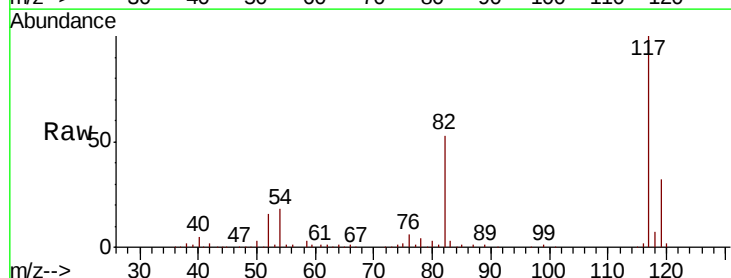
Instrument :
MSVOA_N
ClientSampled :
VN0830WBL02

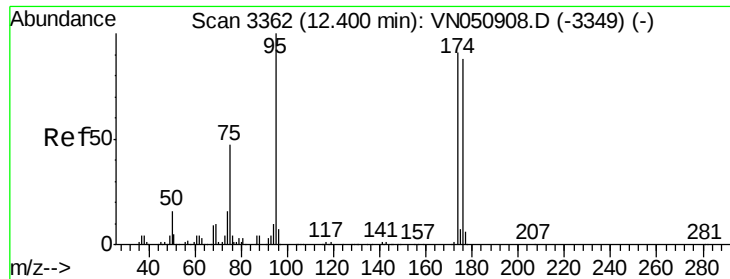
Tot Ion: 69 Resp: 2181
Ion Ratio Lower Upper
69 100
41 60.4 30.5 91.5
39 28.0 15.3 45.8



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050971.D
Acq: 30 Aug 2018 19:09

Tgt Ion: 117 Resp: 445444
Ion Ratio Lower Upper
117 100
82 53.5 42.6 64.0
119 32.4 25.7 38.5





#60

4-Bromofluorobenzene

Concen: 20.75 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050971.D

Acq: 30 Aug 2018 19:09

Instrument :

MSVOA_N

ClientSampled :

VN0830WBL02

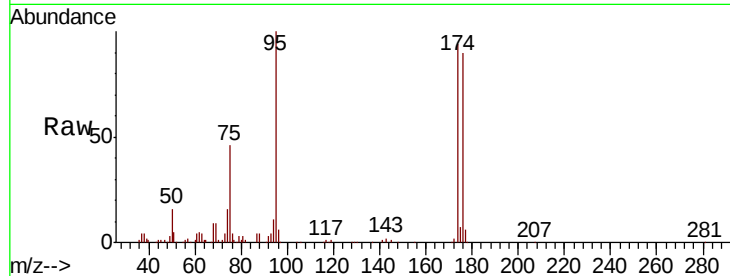
Tot Ion: 95 Resp: 137461

Ion Ratio Lower Upper

95 100

174 95.3 74.6 112.0

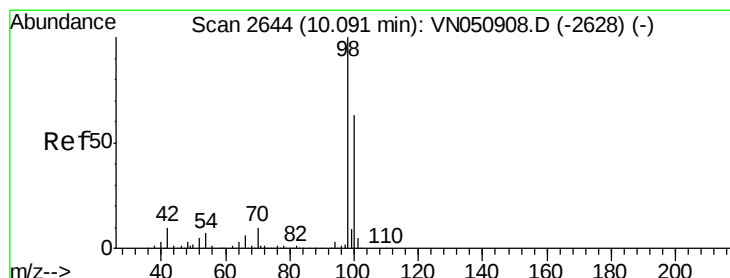
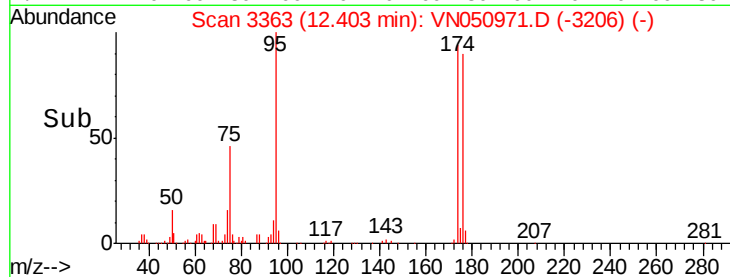
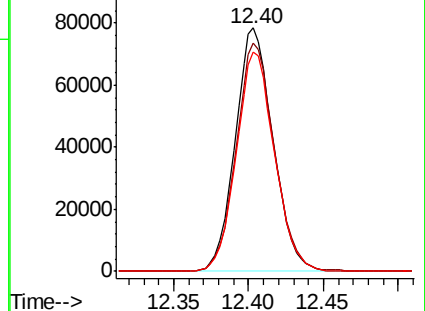
176 91.2 71.5 107.3



Abundance Ion 95.00 (94.70 to 95.70): VN050908.D (-3349) (-)

Ion 174.00 (173.70 to 174.70): VN050908.D (-3349) (-)

Ion 176.00 (175.70 to 176.70): VN050908.D (-3349) (-)



#63

Toluene-d8

Concen: 30.94 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050971.D

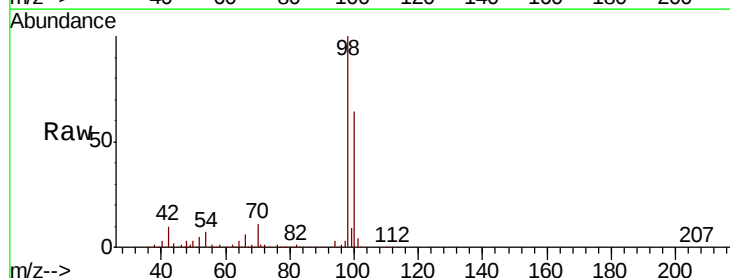
Acq: 30 Aug 2018 19:09

Tgt Ion: 98 Resp: 642801

Ion Ratio Lower Upper

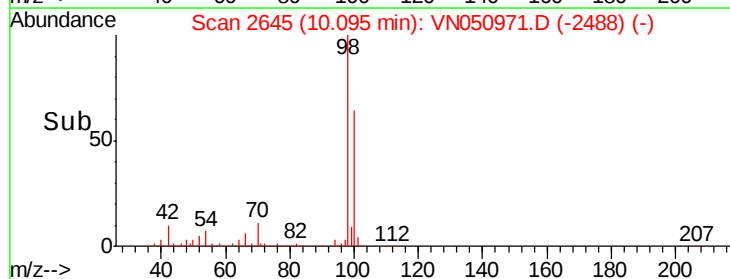
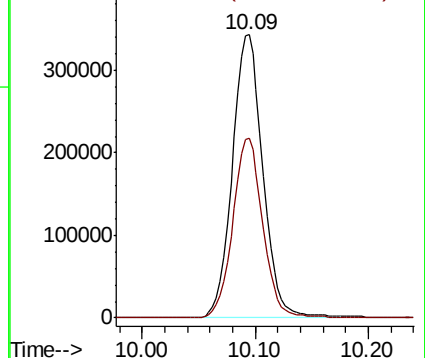
98 100

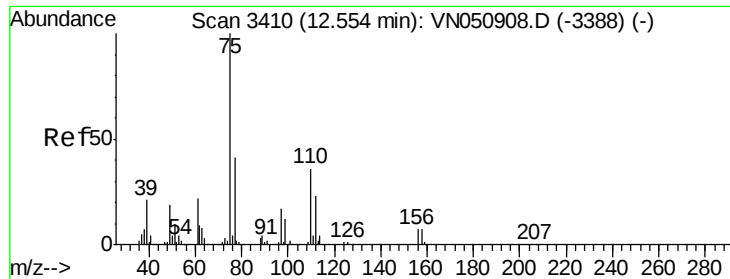
100 62.3 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN050908.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN050908.D (-2628) (-)





#72

1,2,3-Trichloropropane

Concen: 11.12 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050971.D

Acq: 30 Aug 2018 19:09

Instrument :

MSVOA_N

ClientSampleId :

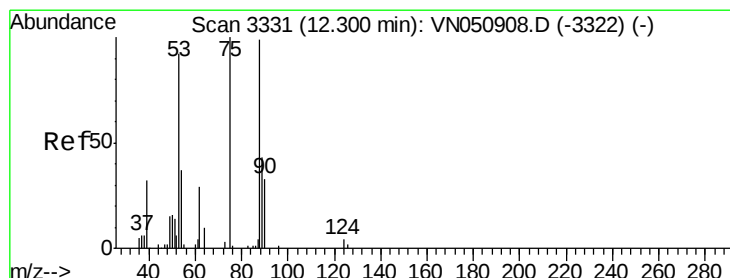
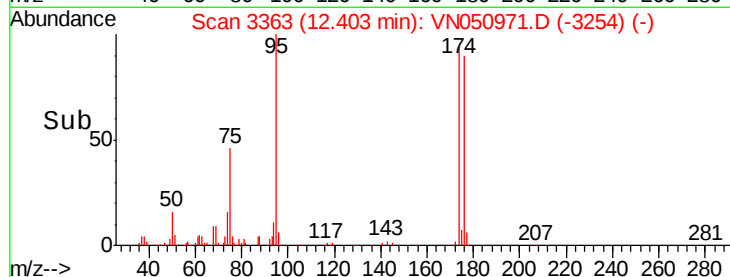
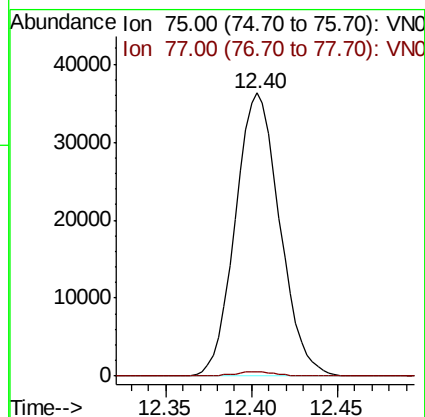
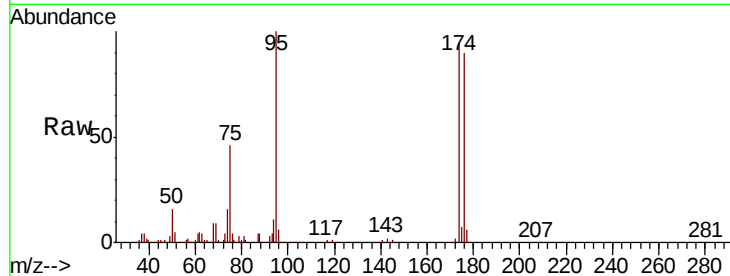
VN0830WBL02

Tot Ion: 75 Resp: 65302

Ion Ratio Lower Upper

75 100

77 1.3 0.0 301.6



#77

t-1,4-Dichloro-2-butene

Concen: 39.02 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050971.D

Acq: 30 Aug 2018 19:09

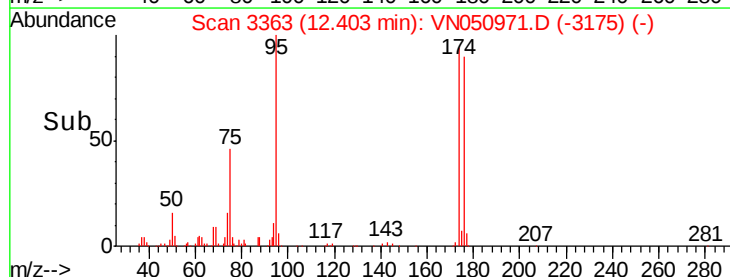
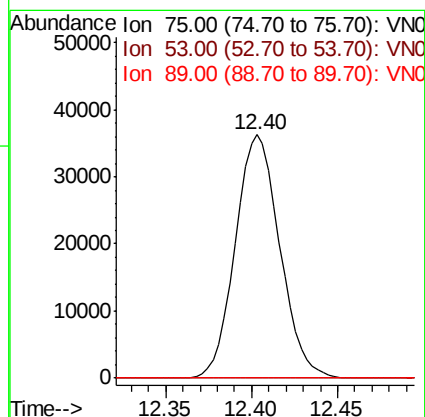
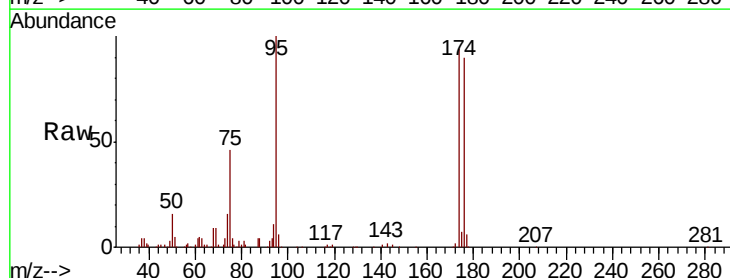
Tgt Ion: 75 Resp: 65302

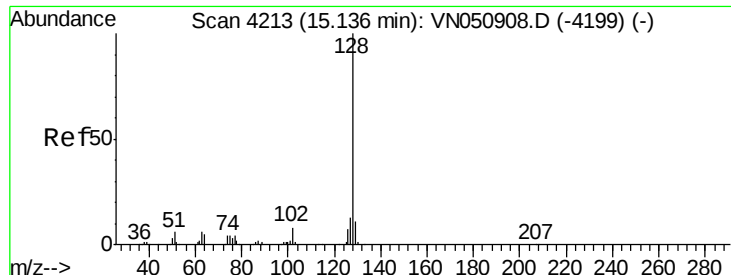
Ion Ratio Lower Upper

75 100

53 0.0 45.5 136.4#

89 0.0 21.9 65.8#

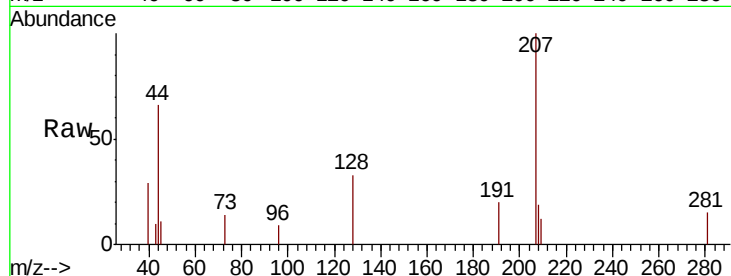




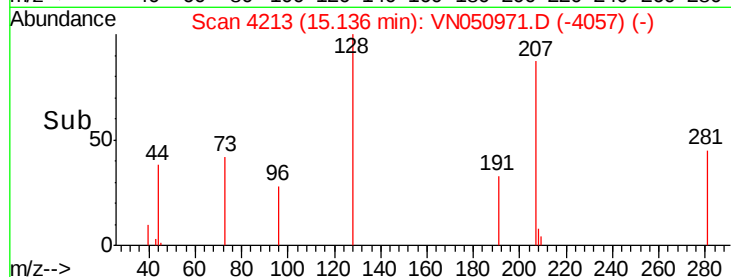
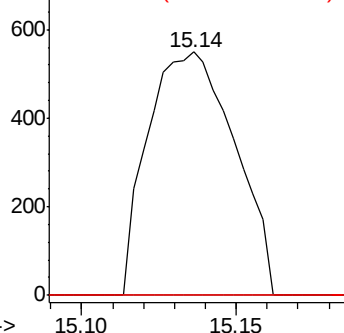
#91
Naphthalene
Concen: 8.65 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050971.D
Acq: 30 Aug 2018 19:09

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBL02

Tot Ion:128 Resp: 1069
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#



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



Time-->