

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050305.D
 Acq On : 3 Aug 2018 11:05
 Operator : MD\SY
 Sample : VN0803WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBL01

Quant Time: Aug 03 23:06:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	123605	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	655591	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	515152	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	258447	30.76	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.53%
60) 4-Bromofluorobenzene	12.40	95	171822	21.71	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	72.37%
63) Toluene-d8	10.09	98	735073	29.87	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.57%

Target Compounds

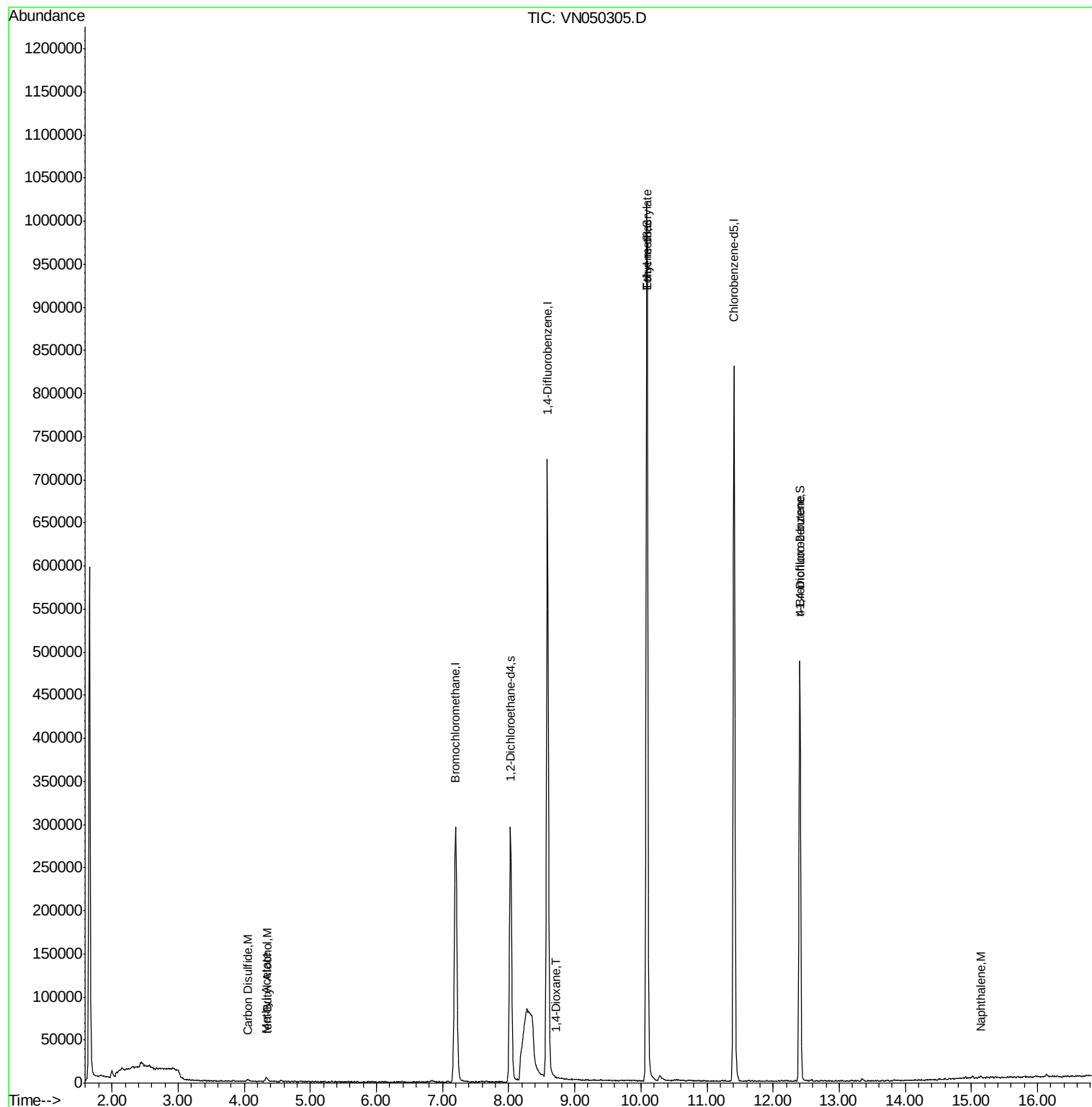
					Ovalue
12) Methyl Acetate	4.33	43	4005	0.53 ug/l	98
16) Carbon Disulfide	4.05	76	4882	0.24 ug/l #	75
23) tert-Butyl Alcohol	4.35	59	126	0.22 ug/l #	100
45) 1,4-Dioxane	8.72	88	123	1.51 ug/l #	32
51) Ethyl methacrylate	10.10	69	2395	0.27 ug/l	84
77) t-1,4-Dichloro-2-butene	12.40	75	82675	36.82 ug/l #	14
91) Naphthalene	15.14	128	1471	7.71 ug/l #	69

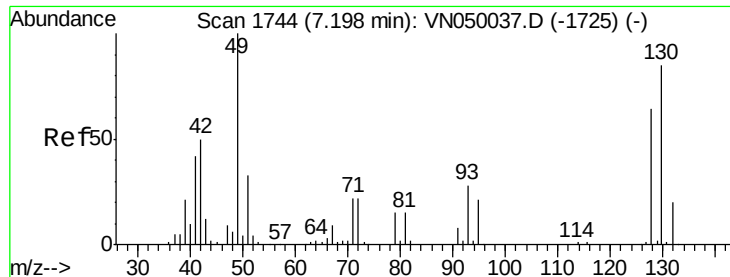
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 03 23:06:33 2018
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050305.D

Acq: 3 Aug 2018 11:05

Instrument :

MSVOA_N

ClientSampled :

VN0803WBL01

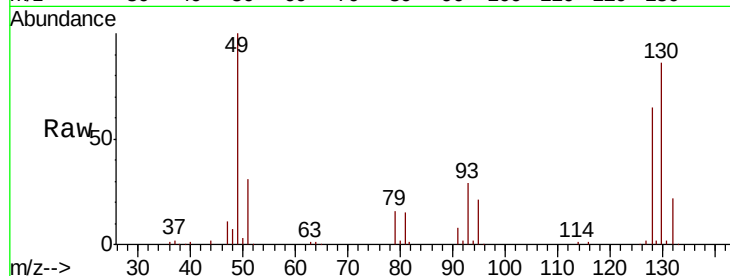
Tot Ion:128 Resp: 123605

Ion Ratio Lower Upper

128 100

49 151.6 0.0 378.3

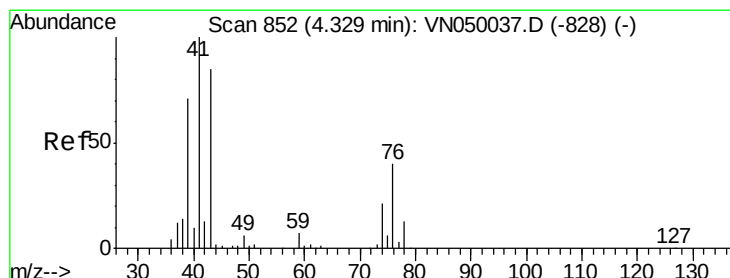
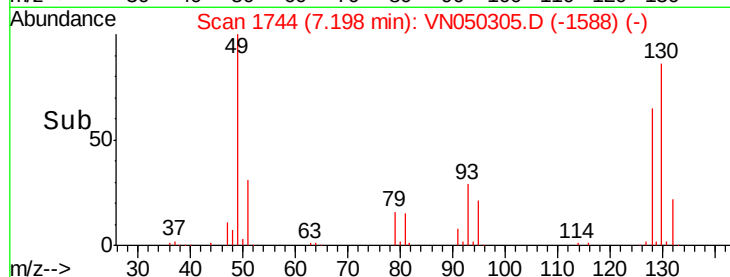
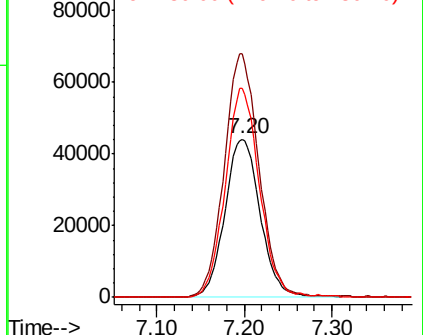
130 127.1 0.0 320.7



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



#12

Methyl Acetate

Concen: 0.53 ug/l

RT: 4.33 min Scan# 852

Delta R.T. -0.00 min

Lab File: VN050305.D

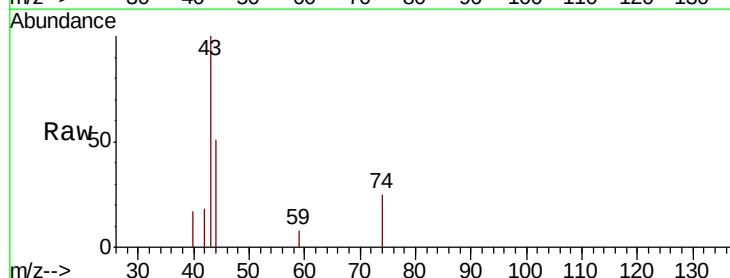
Acq: 3 Aug 2018 11:05

Tgt Ion: 43 Resp: 4005

Ion Ratio Lower Upper

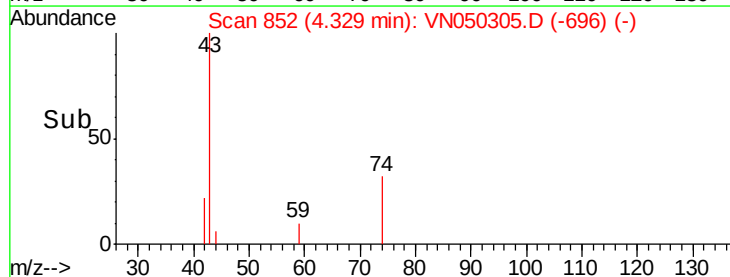
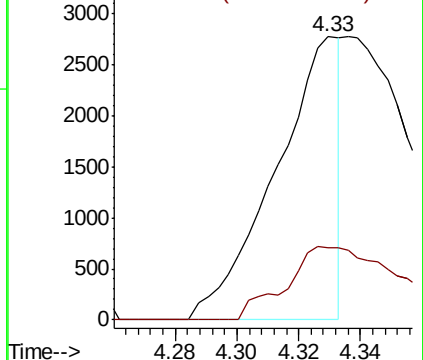
43 100

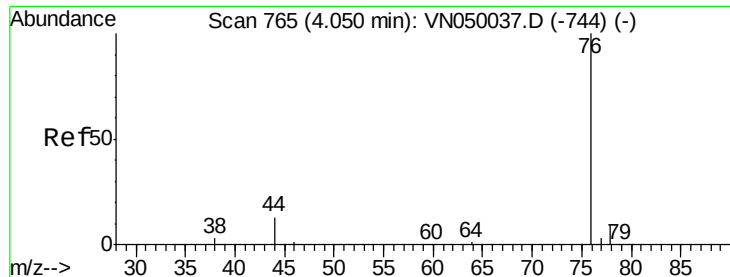
74 24.9 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

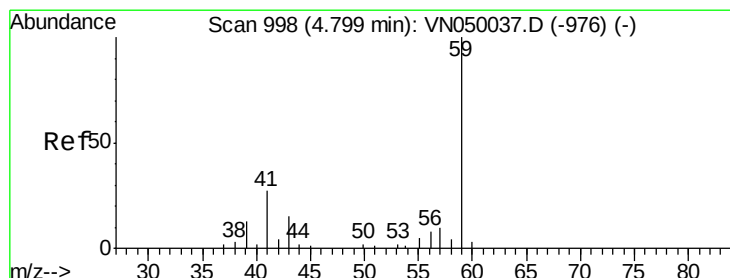
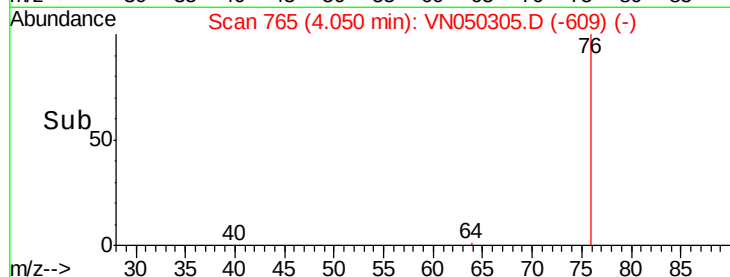
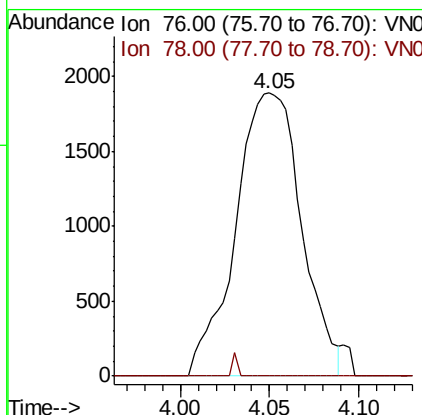
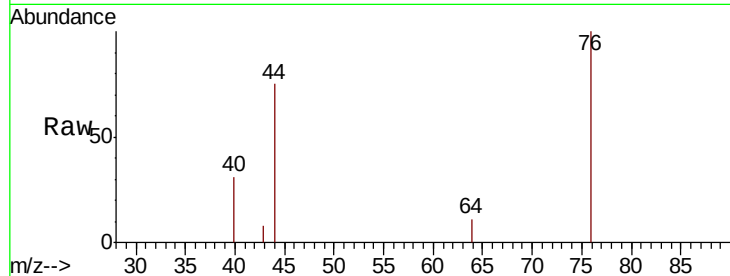




#16
Carbon Disulfide
Concen: 0.24 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050305.D
Acq: 3 Aug 2018 11:05

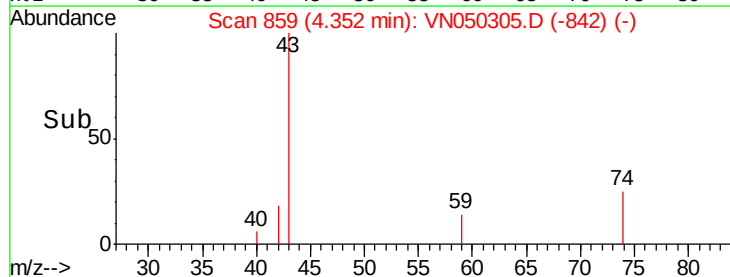
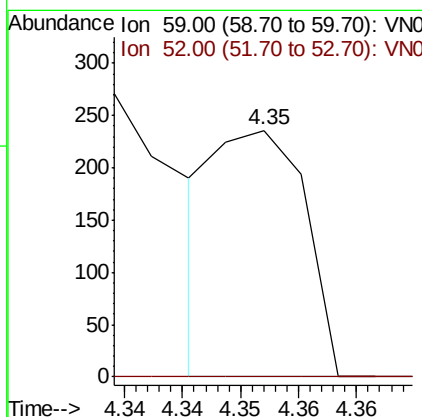
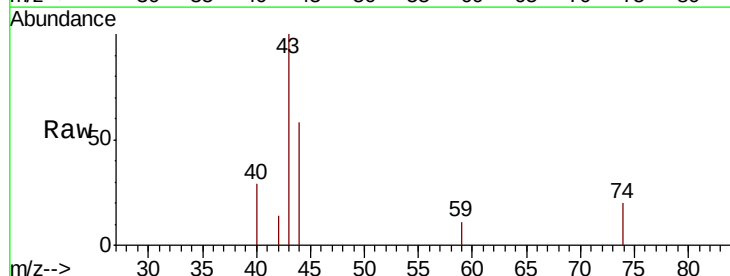
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBL01

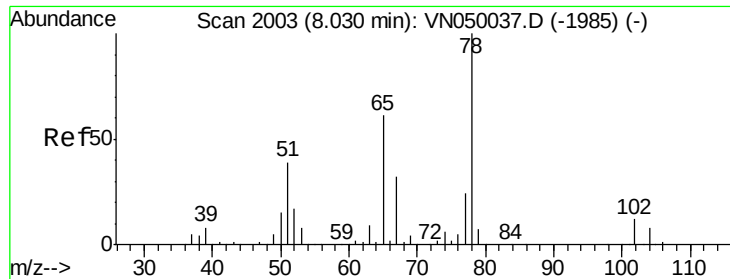
Tot Ion: 76 Resp: 4882
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#23
tert-Butyl Alcohol
Concen: 0.22 ug/l
RT: 4.35 min Scan# 859
Delta R.T. -0.45 min
Lab File: VN050305.D
Acq: 3 Aug 2018 11:05

Tgt Ion: 59 Resp: 126
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#

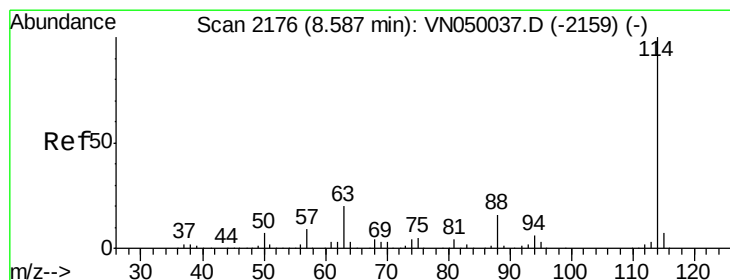
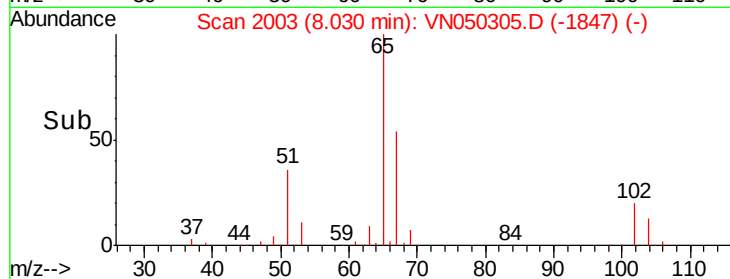
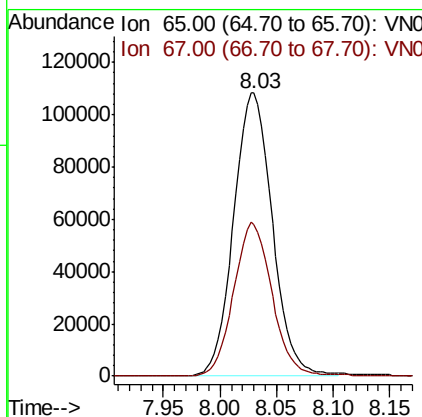
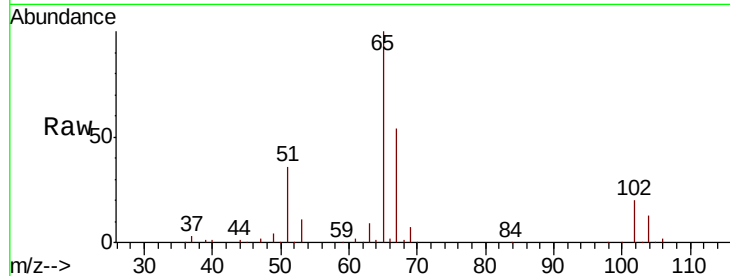




#27
 1,2-Dichloroethane-d4
 Concen: 30.76 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050305.D
 Acq: 3 Aug 2018 11:05

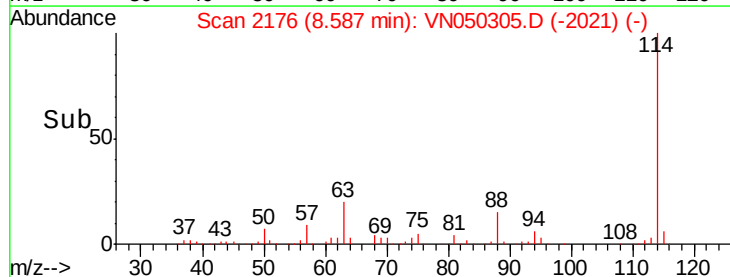
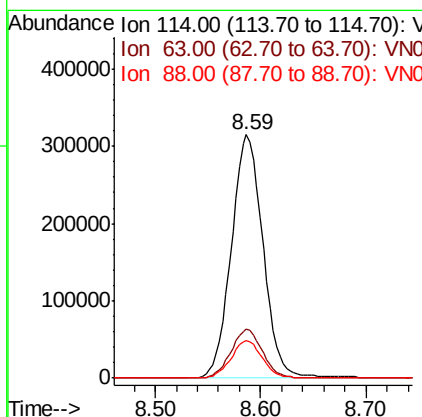
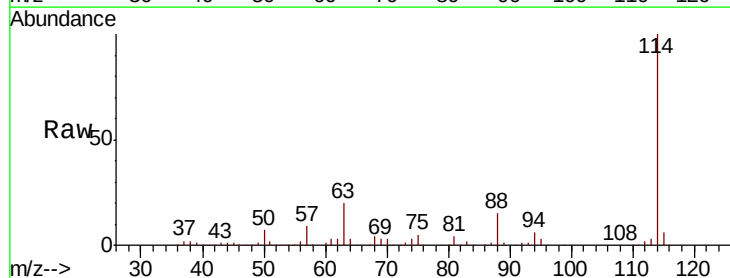
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBL01

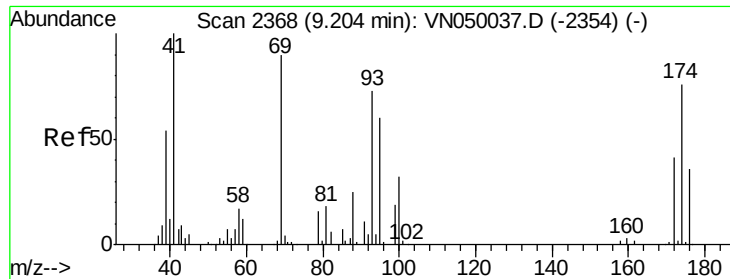
Tot Ion: 65 Resp: 258447
 Ion Ratio Lower Upper
 65 100
 67 53.8 42.7 64.1



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050305.D
 Acq: 3 Aug 2018 11:05

Tgt Ion: 114 Resp: 655591
 Ion Ratio Lower Upper
 114 100
 63 19.9 16.2 24.2
 88 15.2 12.3 18.5





#45

1,4-Dioxane

Concen: 1.51 ug/l

RT: 8.72 min Scan# 2219

Delta R.T. -0.48 min

Lab File: VN050305.D

Acq: 3 Aug 2018 11:05

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBL01

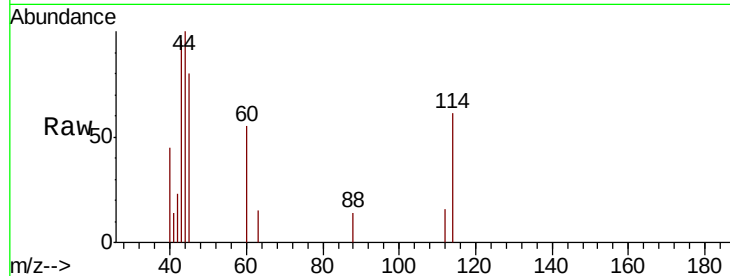
Tot Ion: 88 Resp: 123

Ion Ratio Lower Upper

88 100

43 55.3 26.9 40.3#

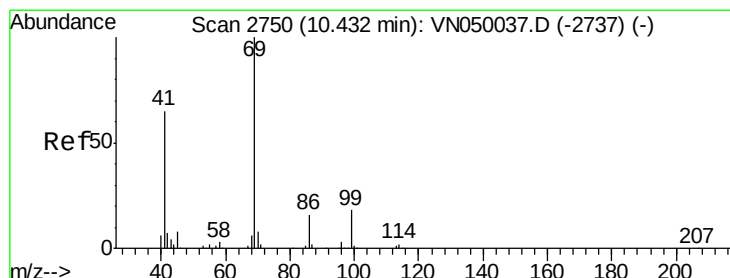
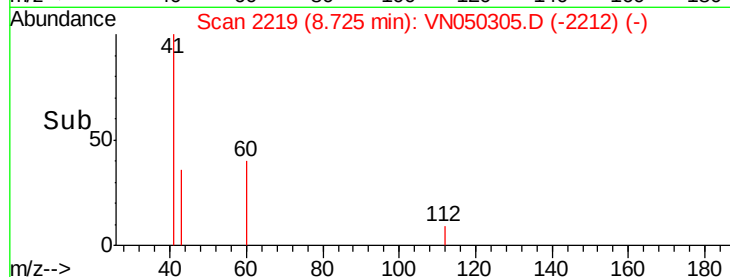
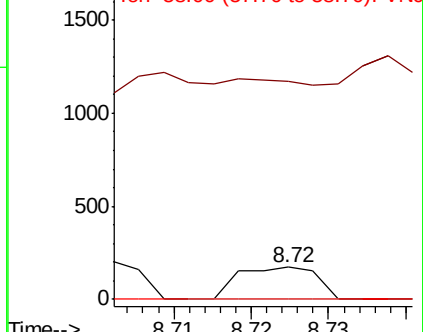
58 0.0 53.6 80.4#



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



#51

Ethyl methacrylate

Concen: 0.27 ug/l

RT: 10.10 min Scan# 2646

Delta R.T. -0.33 min

Lab File: VN050305.D

Acq: 3 Aug 2018 11:05

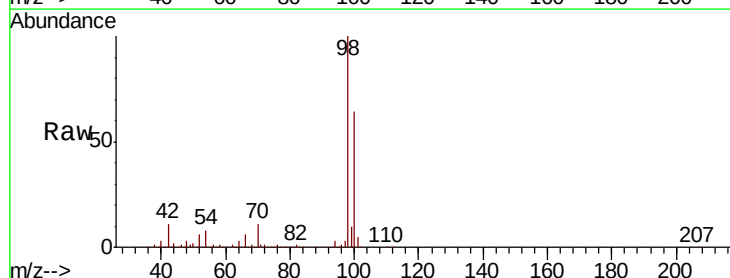
Tgt Ion: 69 Resp: 2395

Ion Ratio Lower Upper

69 100

41 47.4 31.9 95.9

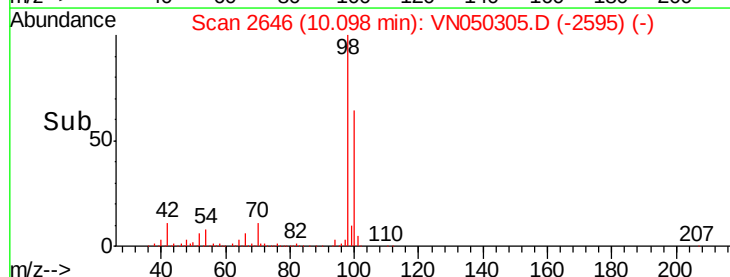
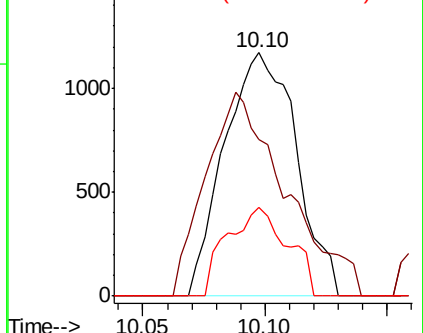
39 36.4 16.7 50.1

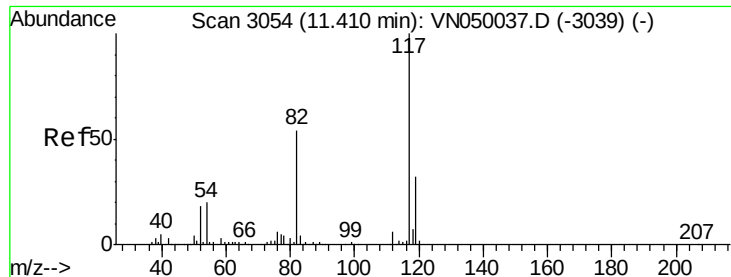


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

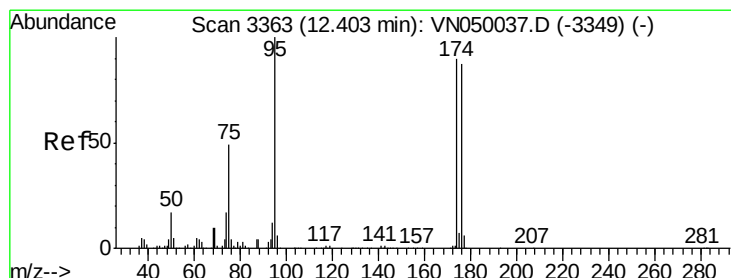
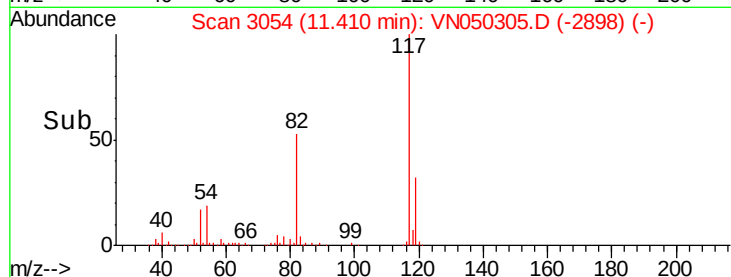
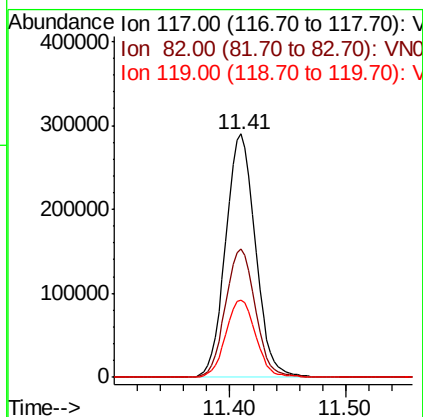
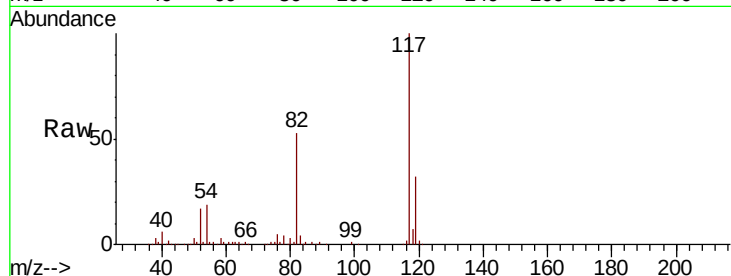




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050305.D
Acq: 3 Aug 2018 11:05

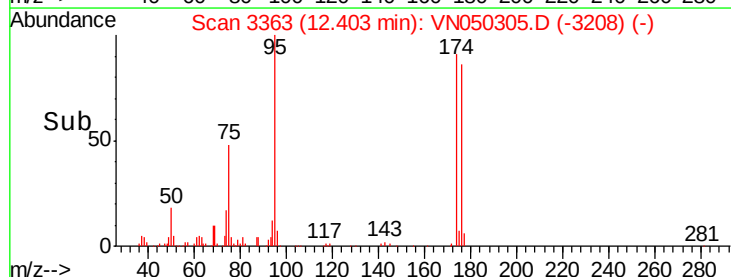
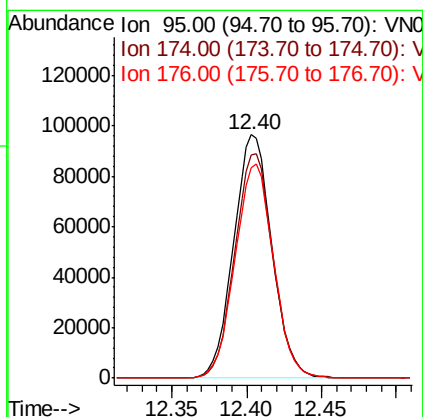
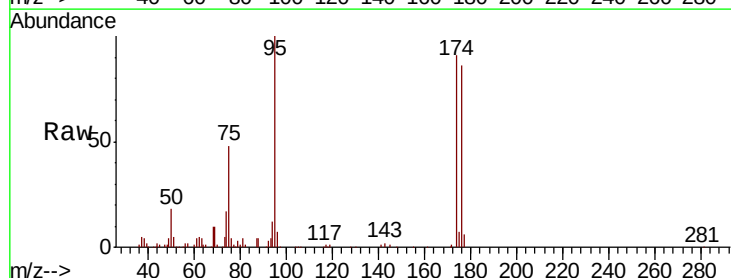
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBL01

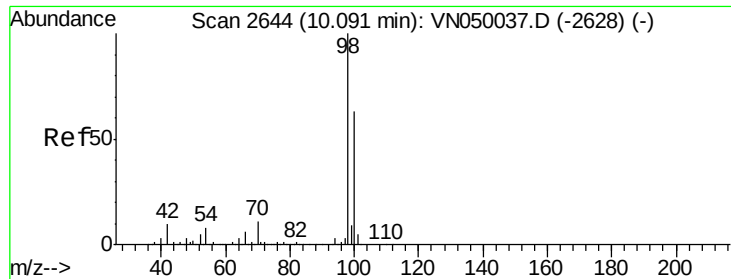
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.4	63.6
119	32.0	25.4	38.0



#60
4-Bromofluorobenzene
Concen: 21.71 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050305.D
Acq: 3 Aug 2018 11:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.1	72.3	108.5
176	88.4	70.0	105.0

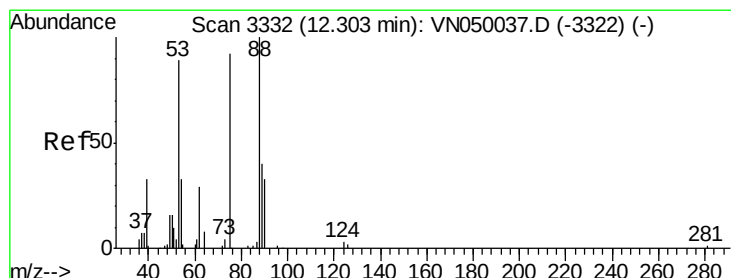
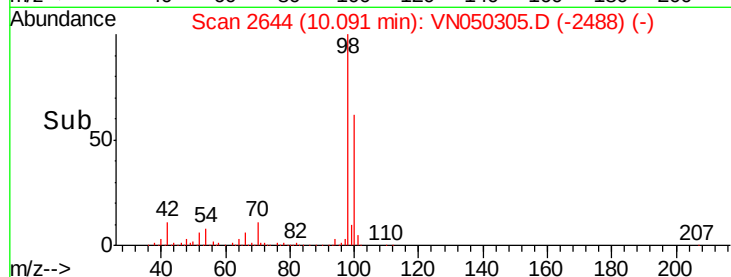
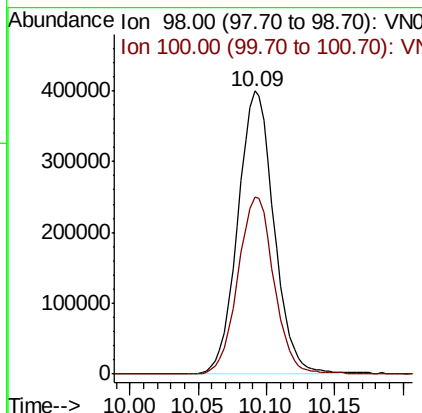
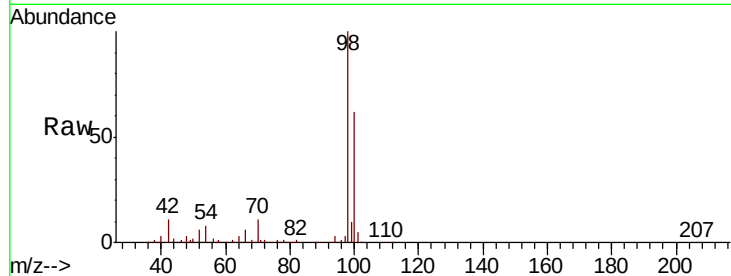




#63
Toluene-d8
Concen: 29.87 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050305.D
Acq: 3 Aug 2018 11:05

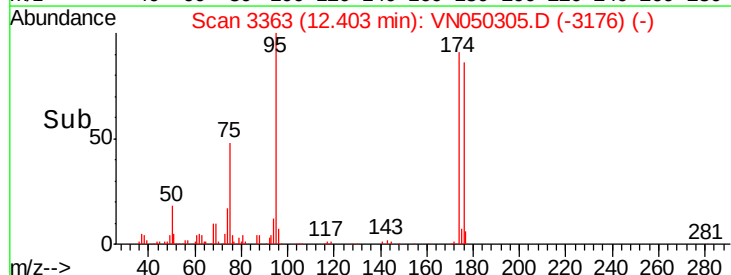
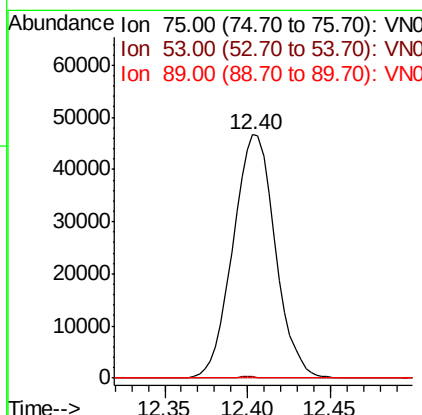
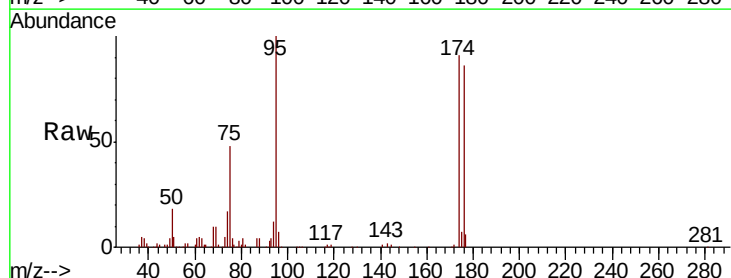
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBL01

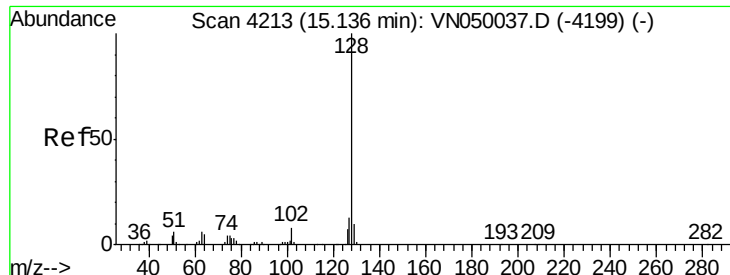
Tot Ion: 98 Resp: 735073
Ion Ratio Lower Upper
98 100
100 63.0 51.2 76.8



#77
t-1,4-Dichloro-2-butene
Concen: 36.82 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN050305.D
Acq: 3 Aug 2018 11:05

Tgt Ion: 75 Resp: 82675
Ion Ratio Lower Upper
75 100
53 0.5 44.6 134.0#
89 0.0 20.7 62.1#





#91

Naphthalene

Concen: 7.71 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN050305.D

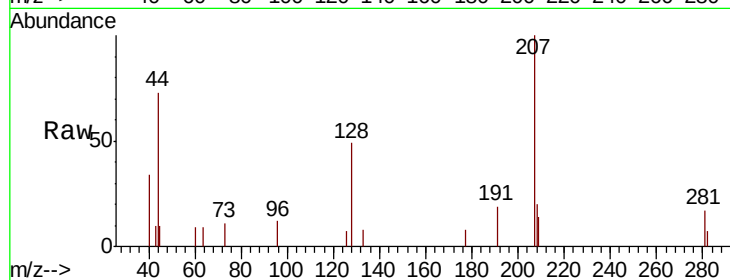
Acq: 3 Aug 2018 11:05

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBL01



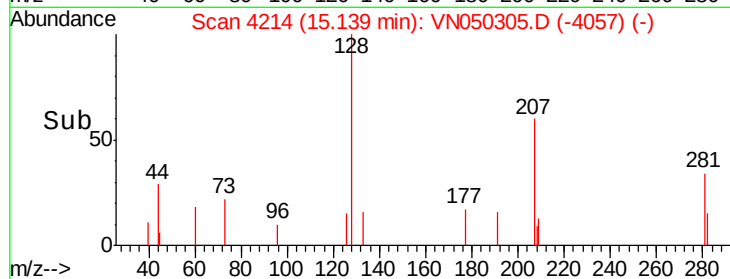
Tot Ion:128 Resp: 1471

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 9.0 13.4#



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

