

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
 Data File : VN051634.D
 Acq On : 1 Oct 2018 13:39
 Operator : MD\SY
 Sample : J5090-03
 Misc : Sample
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: Oct 02 01:01:18 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	94378	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	450555	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	374189	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	203369	30.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.17%
60) 4-Bromofluorobenzene	12.40	95	117772	20.47	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	68.23%
63) Toluene-d8	10.09	98	523702	29.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.87%

Target Compounds

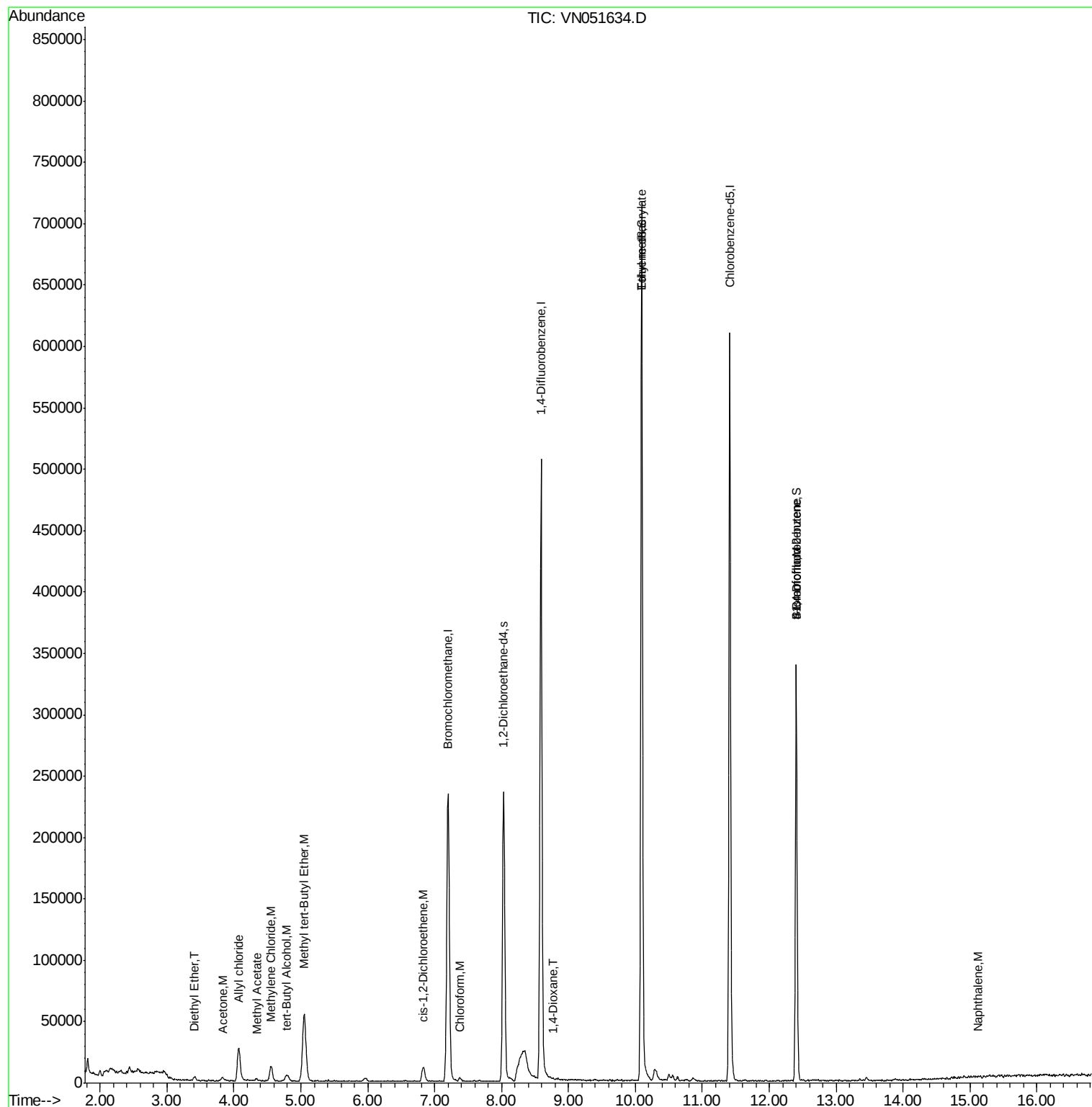
					Ovalue
8) Diethyl Ether	3.42	74	1398	0.401 ug/l	94
12) Methyl Acetate	4.34	43	2412	0.480 ug/l #	90
15) Acetone	3.82	58	845	1.600 ug/l #	47
17) Allyl chloride	4.07	41	3291	0.323 ug/l	84
18) Methylene Chloride	4.55	84	9274	1.416 ug/l #	86
22) cis-1,2-Dichloroethene	6.83	96	1682	0.255 ug/l #	76
23) tert-Butyl Alcohol	4.79	59	5790	15.028 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	80971	5.406 ug/l	93
25) Chloroform	7.37	83	2725	0.238 ug/l	92
45) 1,4-Dioxane	8.76	88	68	1.451 ug/l #	1
51) Ethyl methacrylate	10.10	69	2022	0.340 ug/l	90
56) Bromoform	12.41	173	1674	0.452 ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	57929	38.371 ug/l #	12
91) Naphthalene	15.13	128	233	8.290 ug/l #	68

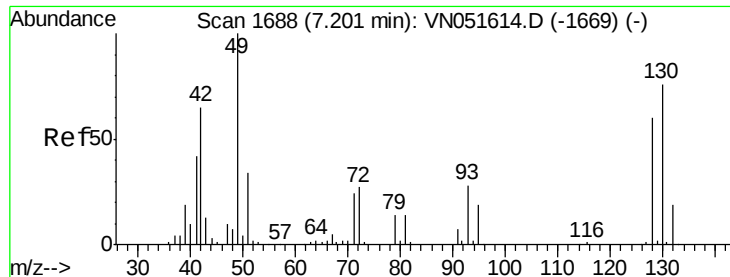
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100118\
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Quant Time: Oct 02 01:01:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
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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# 1688

Delta R.T. -0.00 min

Lab File: VN051634.D

Acq: 1 Oct 2018 13:39

Instrument :

MSVOA_N

ClientSampled :

MW-4

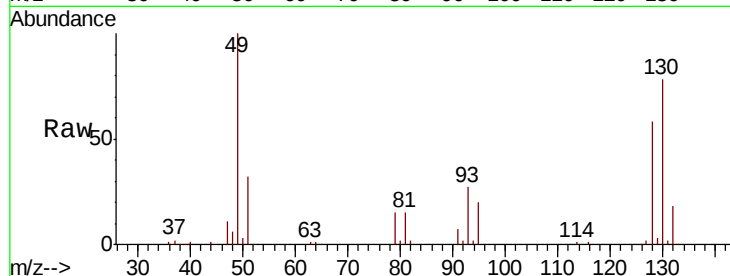
Tot Ion:128 Resp: 94378

Ion Ratio Lower Upper

128 100

49 168.2 0.0 426.8

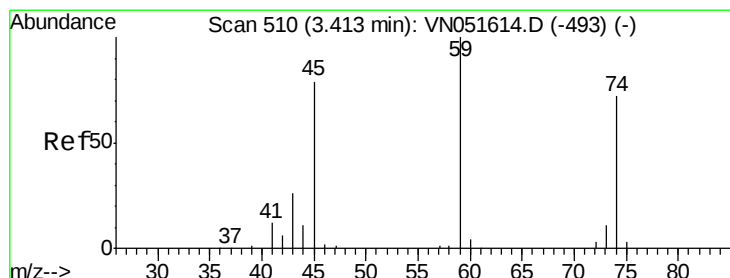
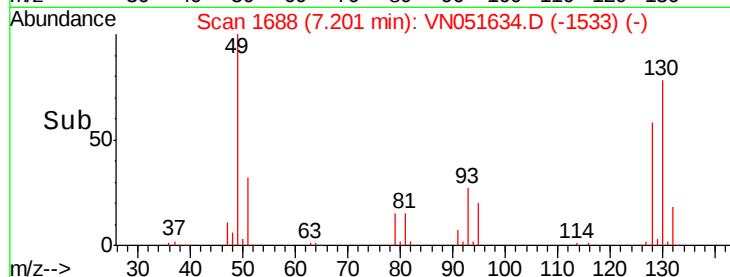
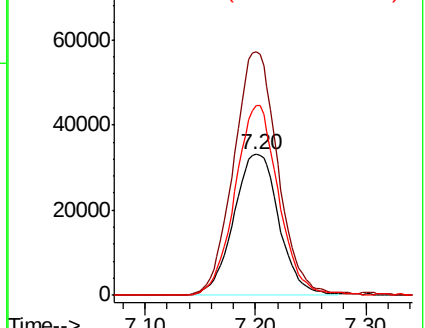
130 129.1 0.0 326.3



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



#8

Diethyl Ether

Concen: 0.401 ug/l

RT: 3.42 min Scan# 511

Delta R.T. 0.00 min

Lab File: VN051634.D

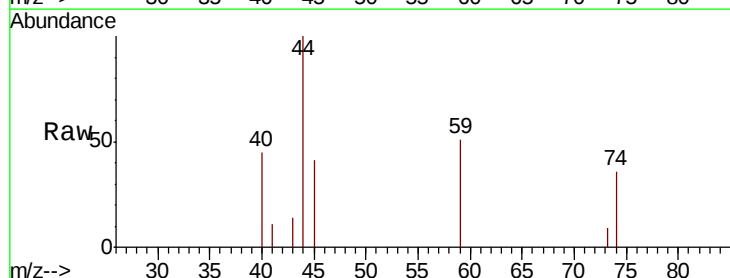
Acq: 1 Oct 2018 13:39

Tgt Ion: 74 Resp: 1398

Ion Ratio Lower Upper

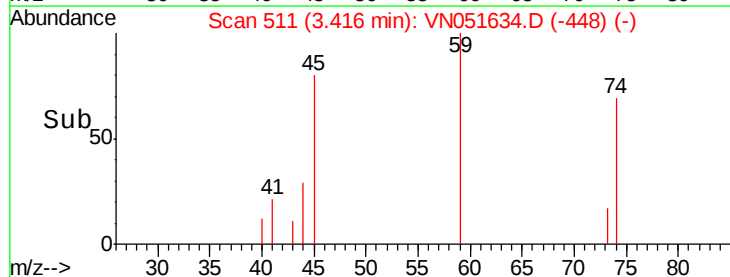
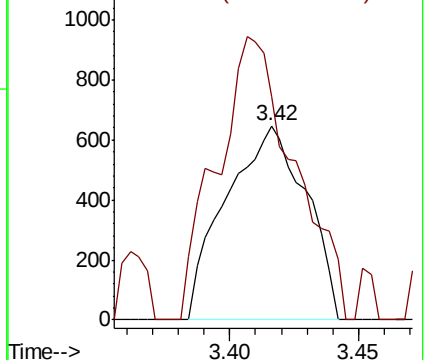
74 100

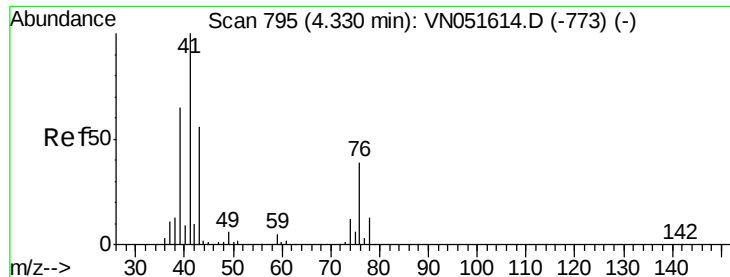
45 112.9 21.3 191.5



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN

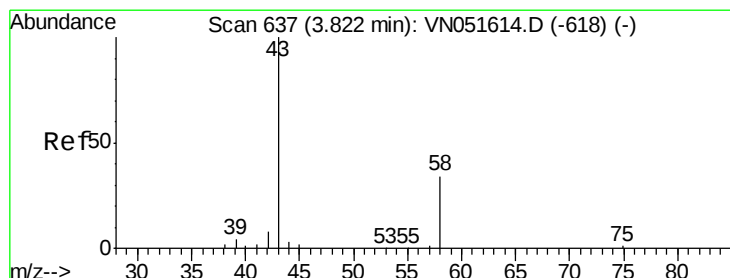
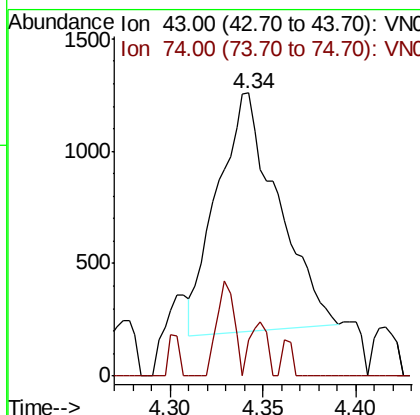
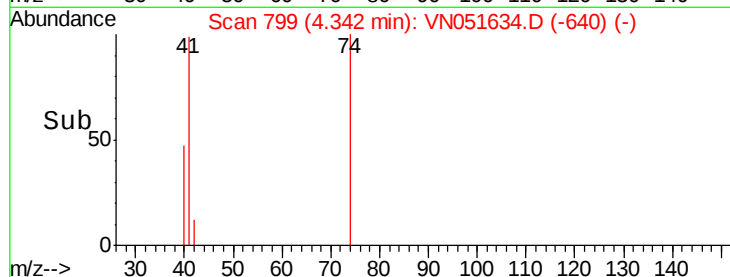
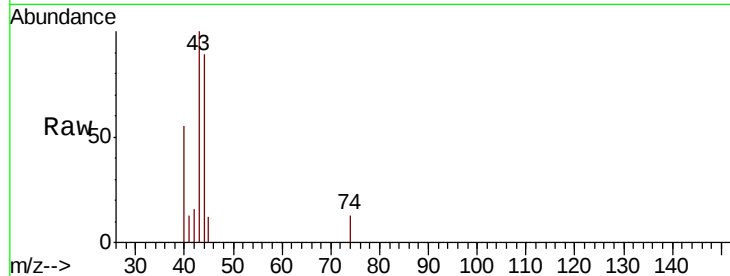




#12
Methvl Acetate
Concen: 0.480 ug/l
RT: 4.34 min Scan# 799
Delta R.T. 0.01 min
Lab File: VN051634.D
Acq: 1 Oct 2018 13:39

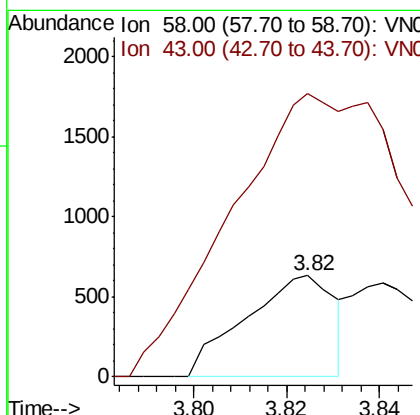
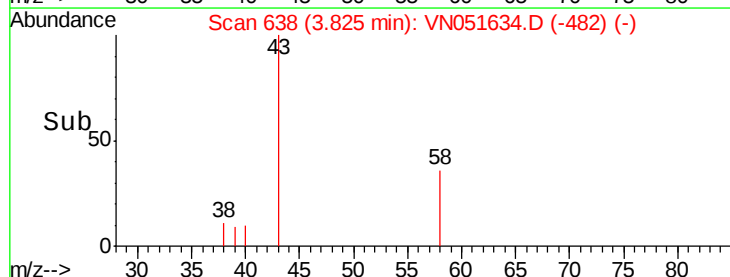
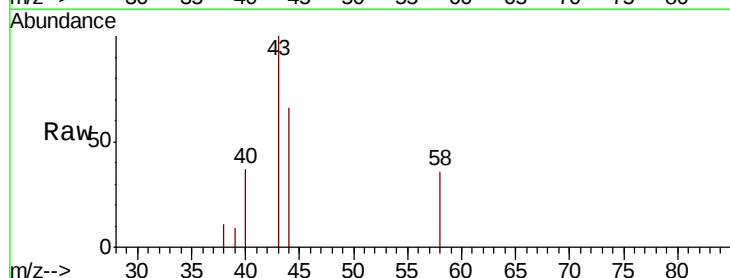
Instrument :
MSVOA_N
ClientSampled :
MW-4

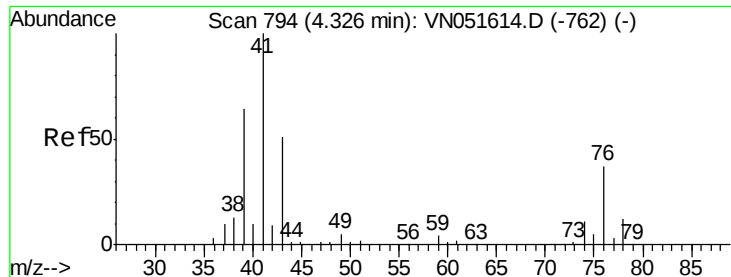
Tot Ion: 43 Resp: 2412
Ion Ratio Lower Upper
43 100
74 16.7 17.0 25.4#



#15
Acetone
Concen: 1.600 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.00 min
Lab File: VN051634.D
Acq: 1 Oct 2018 13:39

Tgt Ion: 58 Resp: 845
Ion Ratio Lower Upper
58 100
43 193.8 238.0 357.0#





#17

Allvl chloride

Concen: 0.323 ug/l

RT: 4.07 min Scan# 715

Delta R.T. -0.25 min

Lab File: VN051634.D

Acq: 1 Oct 2018 13:39

Instrument :

MSVOA_N

ClientSampled :

MW-4

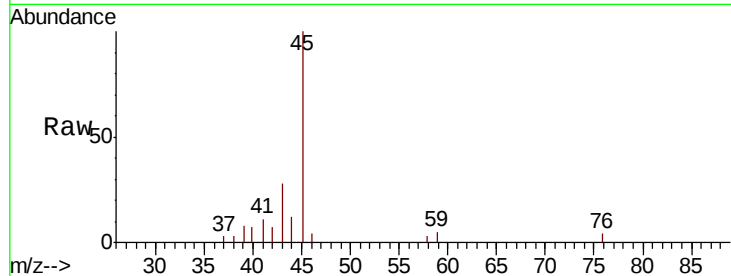
Tot Ion: 41 Resp: 3291

Ion Ratio Lower Upper

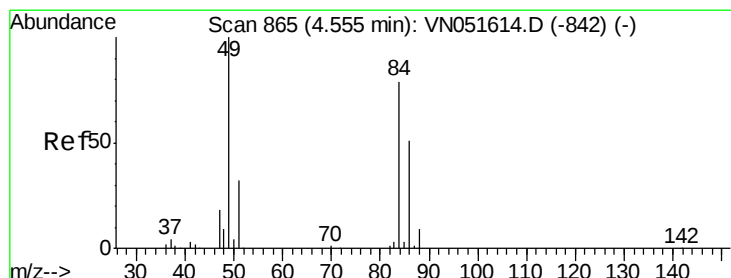
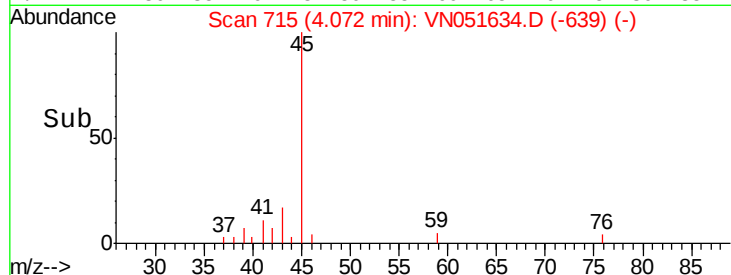
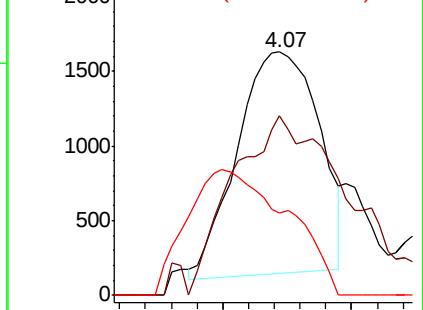
41 100

39 82.6 31.9 95.9

76 38.0 18.6 56.0



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 1.416 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN051634.D

Acq: 1 Oct 2018 13:39

Tgt Ion: 84 Resp: 9274

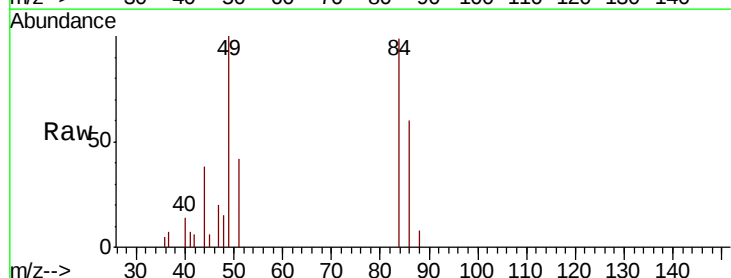
Ion Ratio Lower Upper

84 100

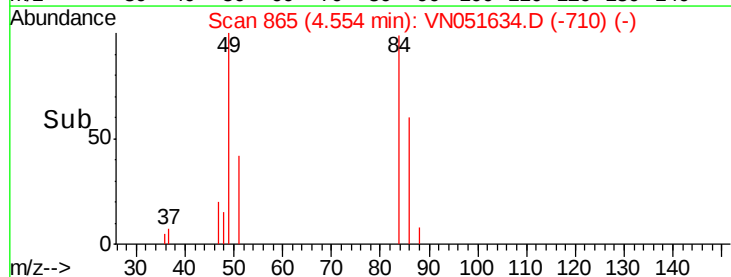
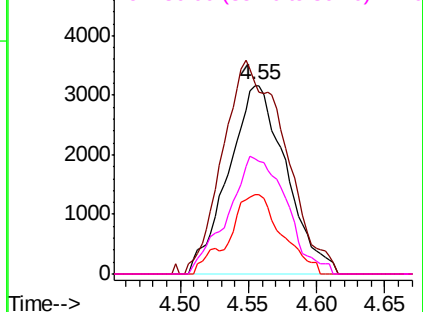
49 100.9 100.9 151.3#

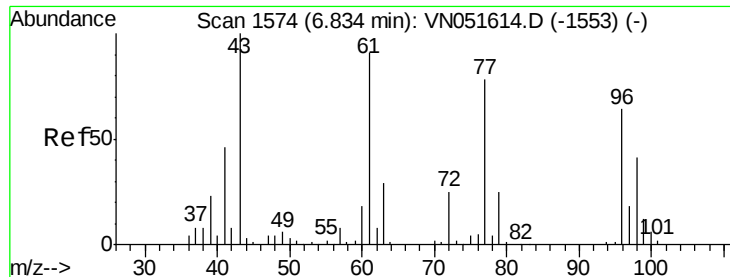
51 42.2 32.5 48.7

86 61.0 51.3 76.9



Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO

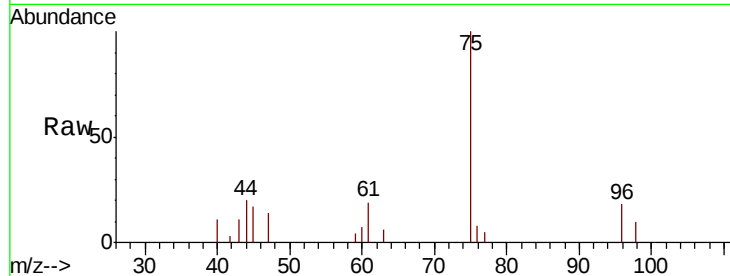




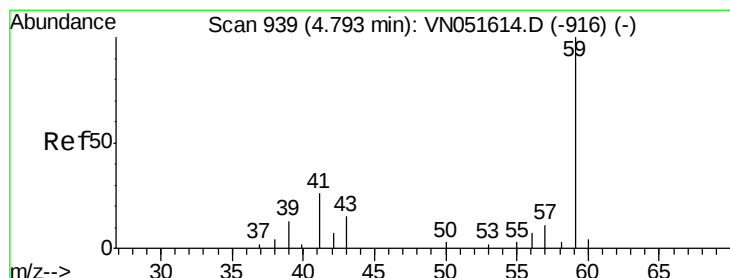
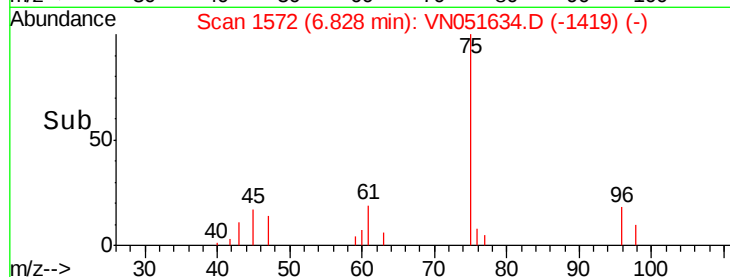
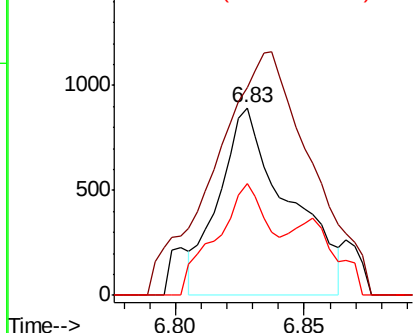
#22
 cis-1,2-Dichloroethene
 Concen: 0.255 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VN051634.D
 Acq: 1 Oct 2018 13:39

Instrument :
 MSVOA_N
 ClientSampled :
 MW-4

Tot Ion: 96 Resp: 1682
 Ion Ratio Lower Upper
 96 100
 61 180.1 120.4 180.6
 98 45.2 51.4 77.0#

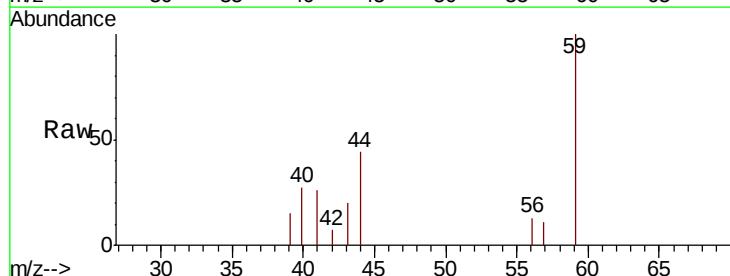


Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0

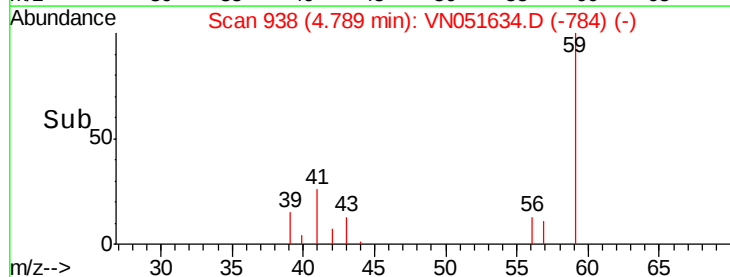
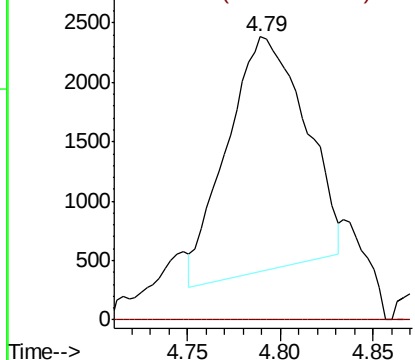


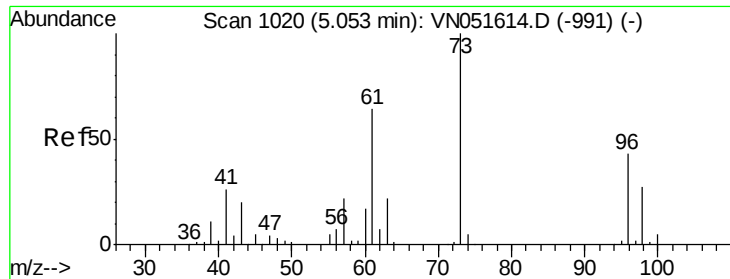
#23
 tert-Butyl Alcohol
 Concen: 15.028 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN051634.D
 Acq: 1 Oct 2018 13:39

Tgt Ion: 59 Resp: 5790
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0

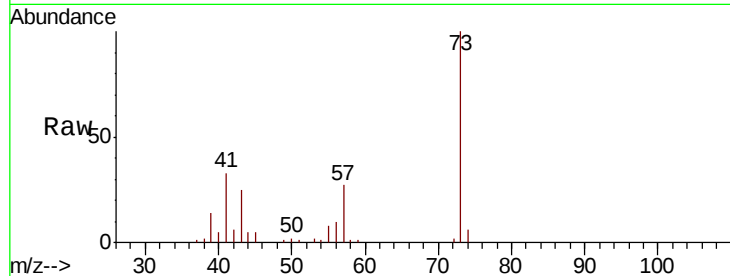




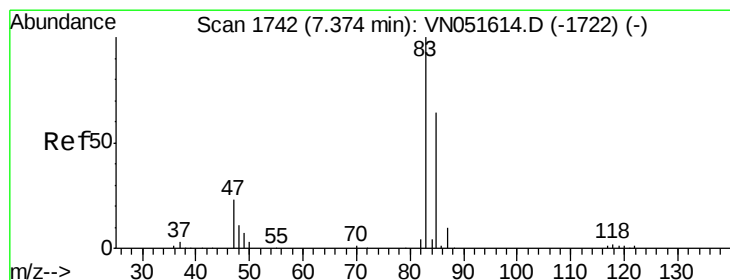
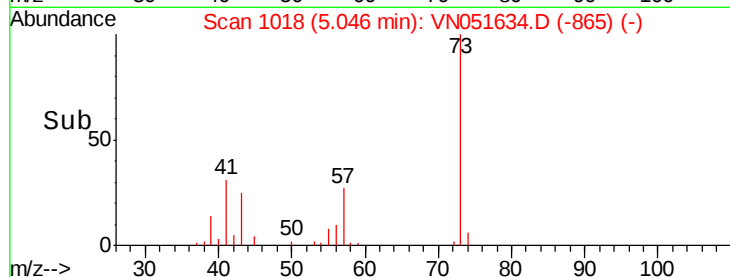
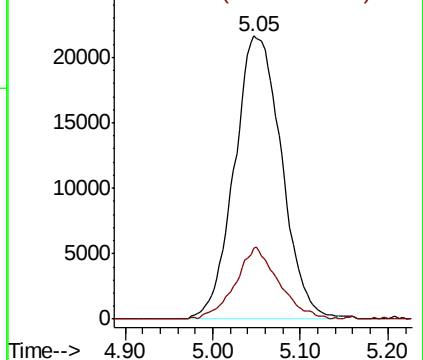
#24
Methvl tert-Butvl Ether
Concen: 5.406 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VN051634.D
Acq: 1 Oct 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
MW-4

Tot Ion: 73 Resp: 80971
Ion Ratio Lower Upper
73 100
43 23.1 16.1 24.1

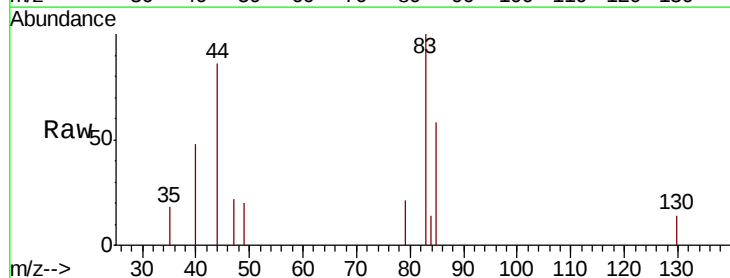


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 43.00 (42.70 to 43.70): VN0

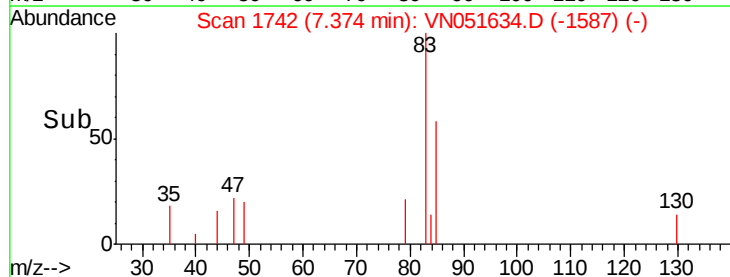
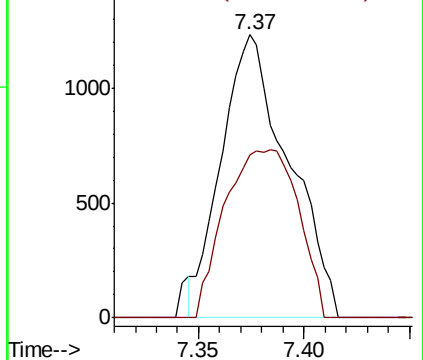


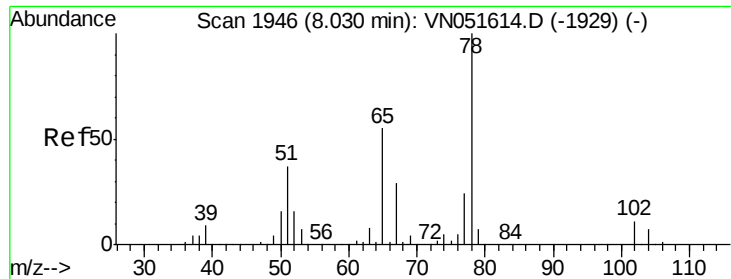
#25
Chloroform
Concen: 0.238 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051634.D
Acq: 1 Oct 2018 13:39

Tgt Ion: 83 Resp: 2725
Ion Ratio Lower Upper
83 100
85 57.6 51.4 77.0



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0





#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. -0.00 min

Lab File: VN051634.D

Acq: 1 Oct 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

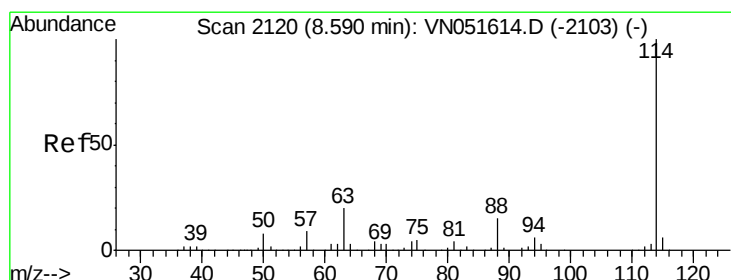
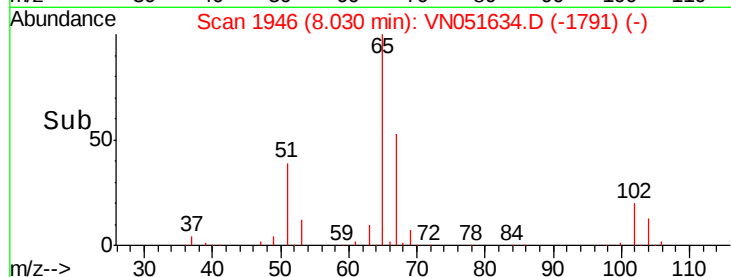
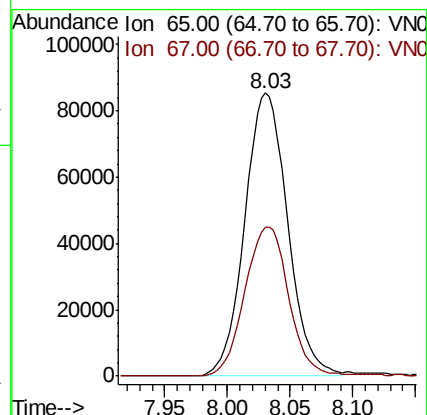
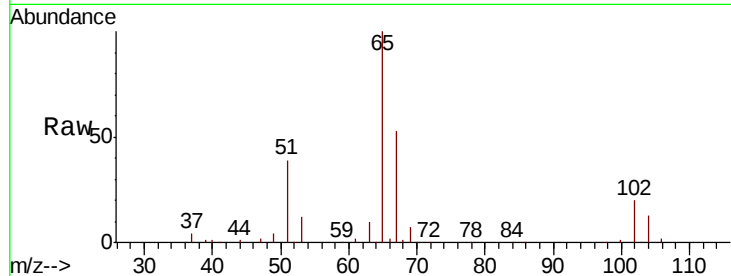
MW-4

Tot Ion: 65 Resp: 203369

Ion Ratio Lower Upper

65 100

67 53.8 43.1 64.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2120

Delta R.T. -0.00 min

Lab File: VN051634.D

Acq: 1 Oct 2018 13:39

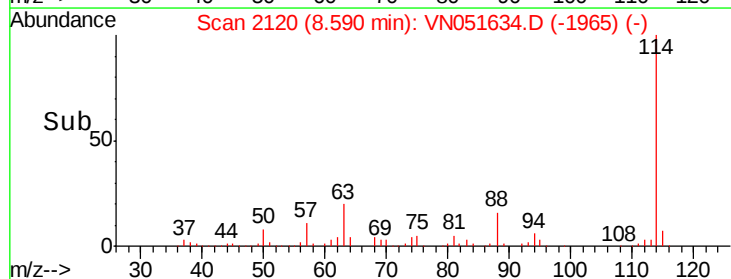
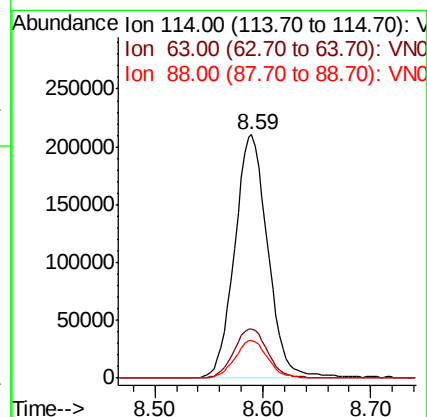
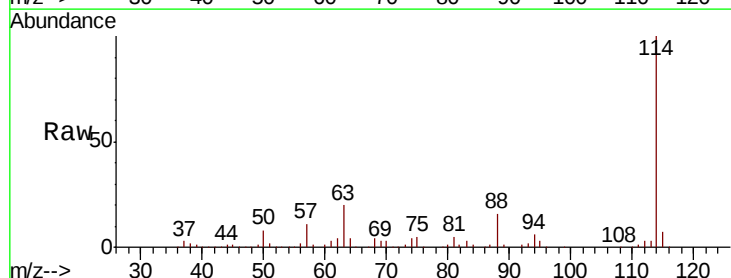
Tgt Ion: 114 Resp: 450555

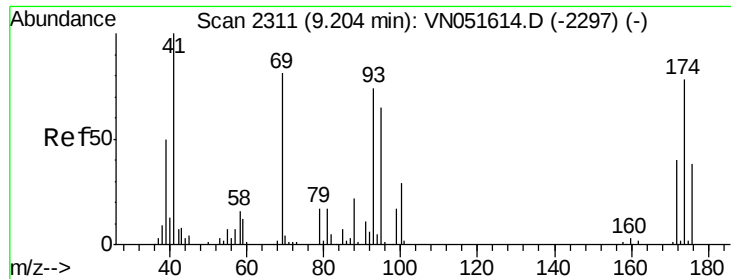
Ion Ratio Lower Upper

114 100

63 20.7 16.4 24.6

88 15.3 12.6 18.8

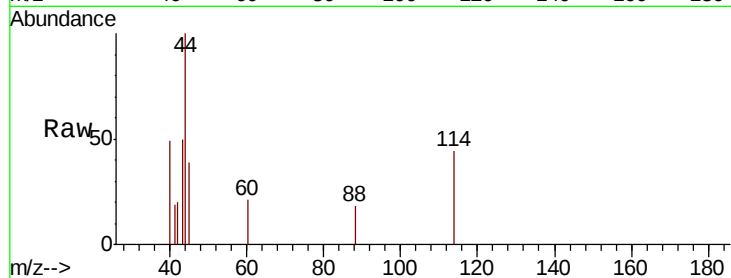




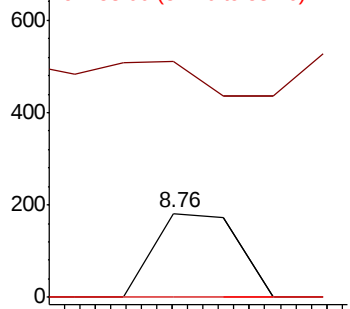
#45
 1,4-Dioxane
 Concen: 1.451 ug/l
 RT: 8.76 min Scan# 2173
 Delta R.T. -0.44 min
 Lab File: VN051634.D
 Acq: 1 Oct 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

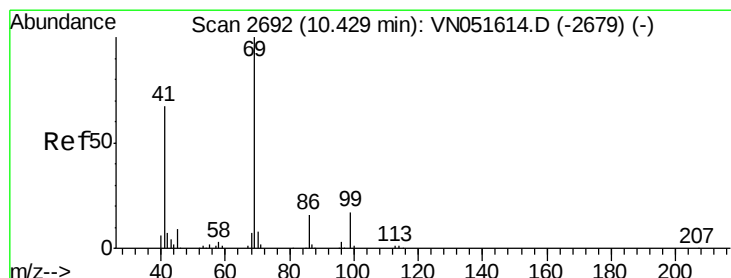
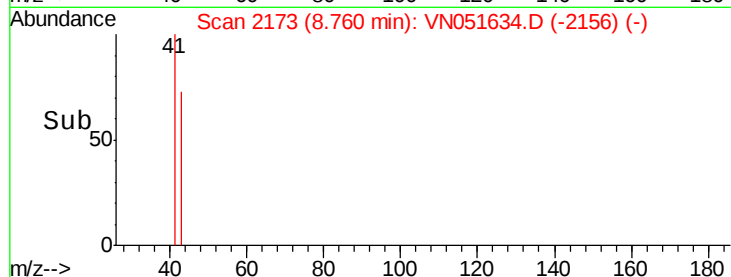
Tot Ion: 88 Resp: 68
 Ion Ratio Lower Upper
 88 100
 43 161.8 29.0 43.6#
 58 0.0 59.0 88.6#



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

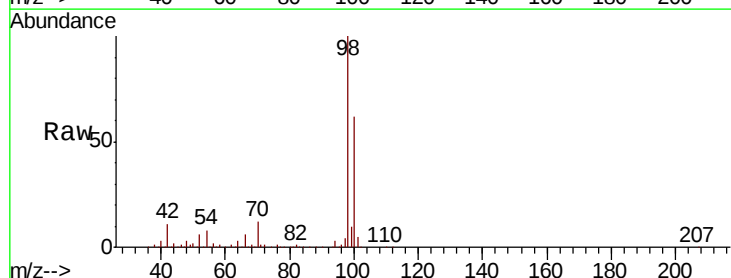


Time-->

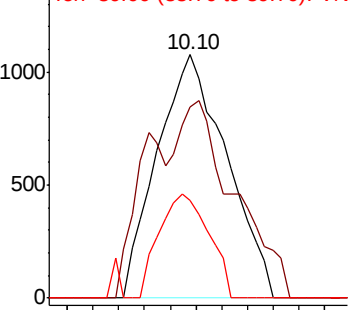


#51
 Ethyl methacrylate
 Concen: 0.340 ug/l
 RT: 10.10 min Scan# 2589
 Delta R.T. -0.33 min
 Lab File: VN051634.D
 Acq: 1 Oct 2018 13:39

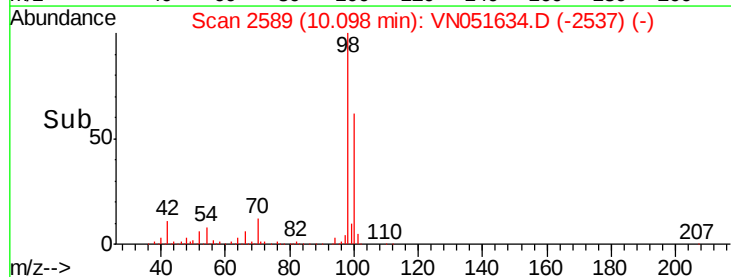
Tgt Ion: 69 Resp: 2022
 Ion Ratio Lower Upper
 69 100
 41 58.9 33.3 99.8
 39 40.2 17.2 51.6

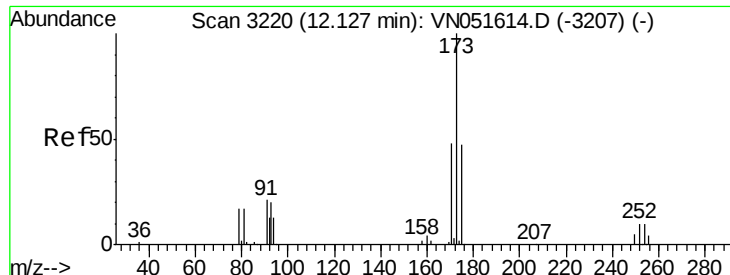


Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0



Time-->

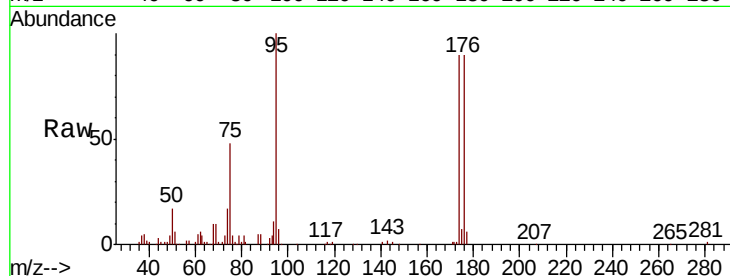




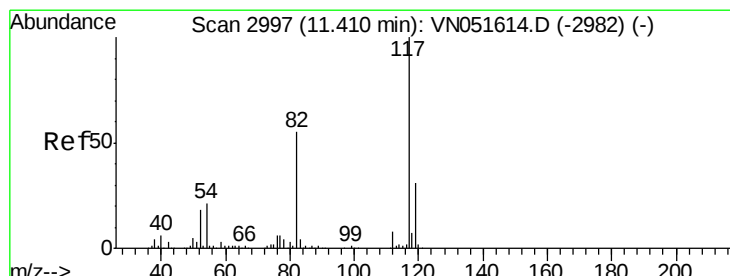
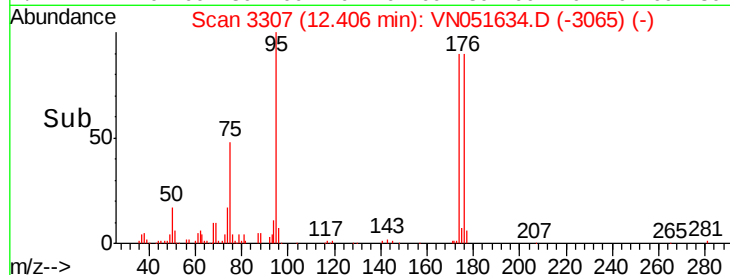
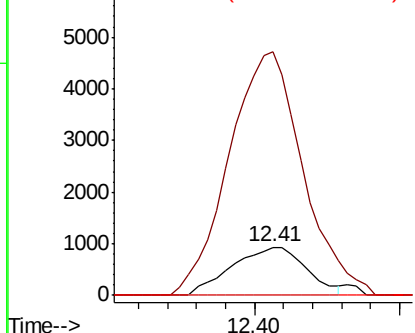
#56
Bromoform
Concen: 0.452 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN051634.D
Acq: 1 Oct 2018 13:39

Instrument :
MSVOA_N
ClientSampled :
MW-4

Tot Ion:173 Resp: 1674
Ion Ratio Lower Upper
173 100
175 498.5 39.0 58.4#
254 0.0 8.7 13.1#

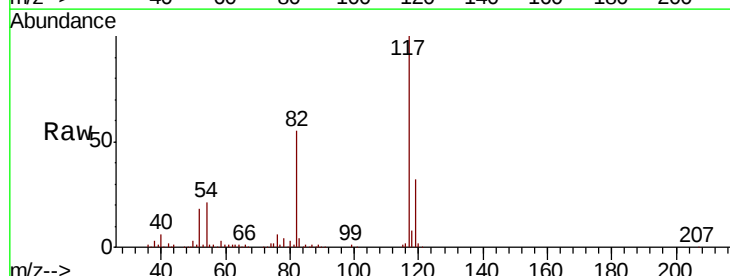


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

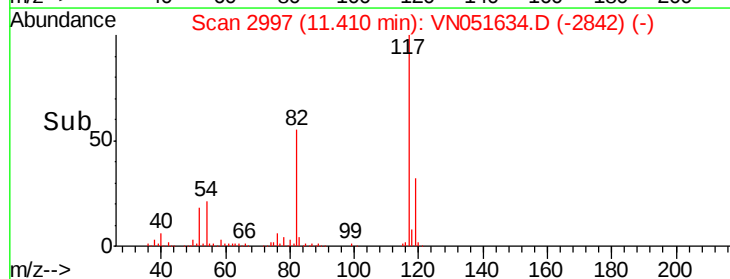
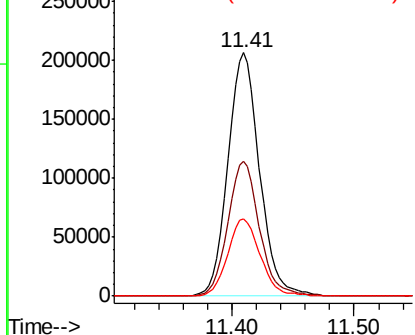


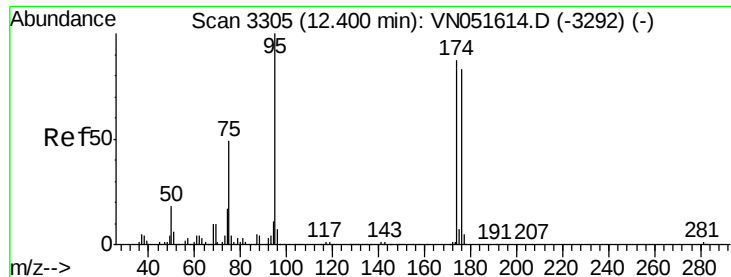
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN051634.D
Acq: 1 Oct 2018 13:39

Tgt Ion:117 Resp: 374189
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 32.8 25.2 37.8



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

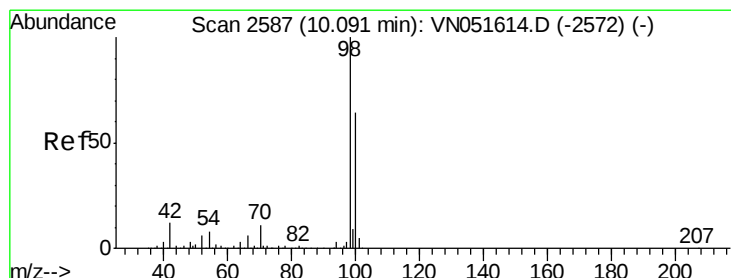
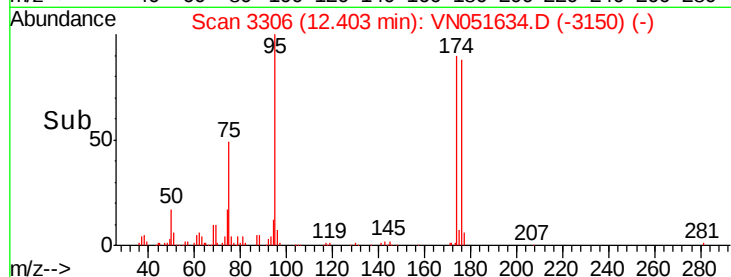
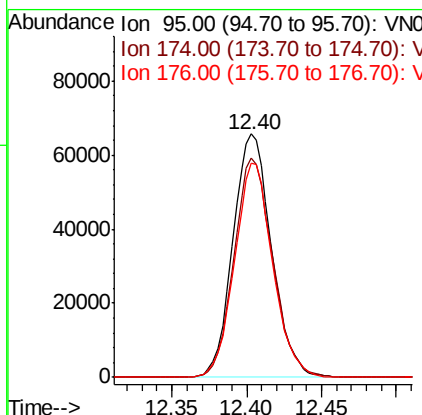
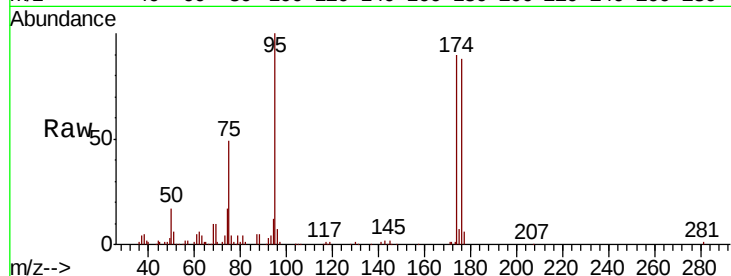




#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051634.D
Acq: 1 Oct 2018 13:39

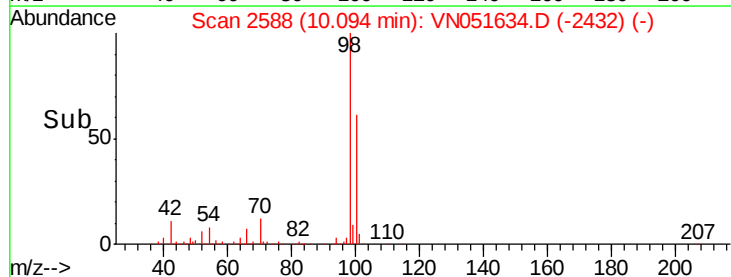
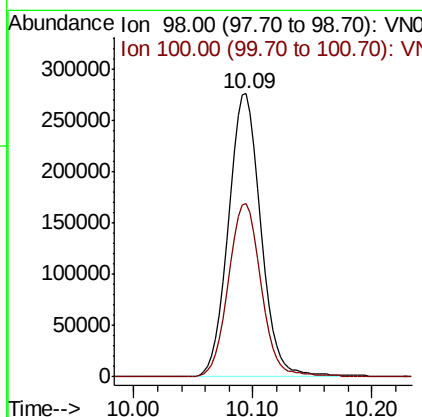
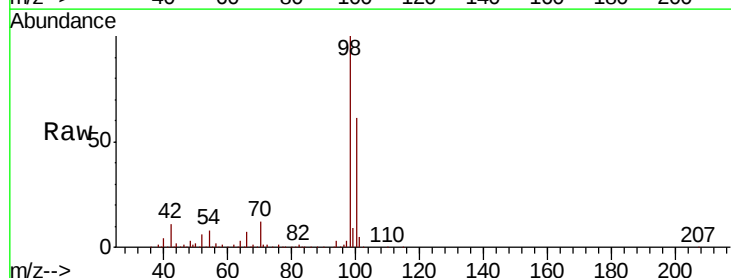
Instrument :
MSVOA_N
ClientSampled :
MW-4

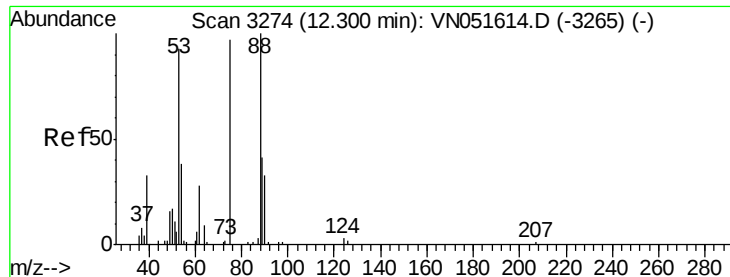
Tot Ion: 95 Resp: 117772
Ion Ratio Lower Upper
95 100
174 90.4 71.2 106.8
176 87.1 67.8 101.8



#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN051634.D
Acq: 1 Oct 2018 13:39

Tgt Ion: 98 Resp: 523702
Ion Ratio Lower Upper
98 100
100 61.6 51.4 77.0

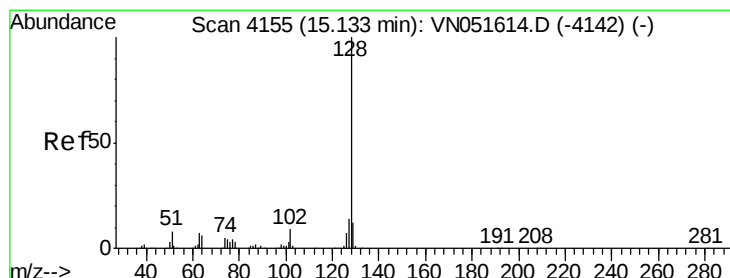
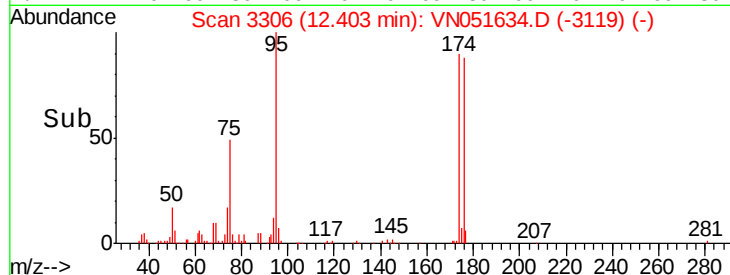
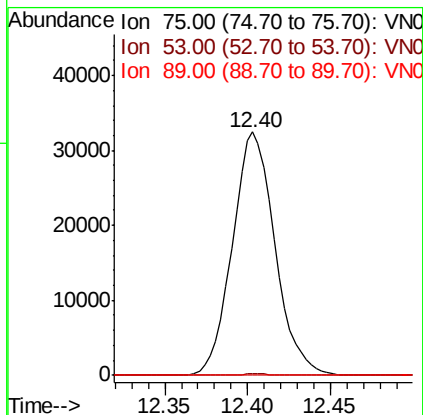
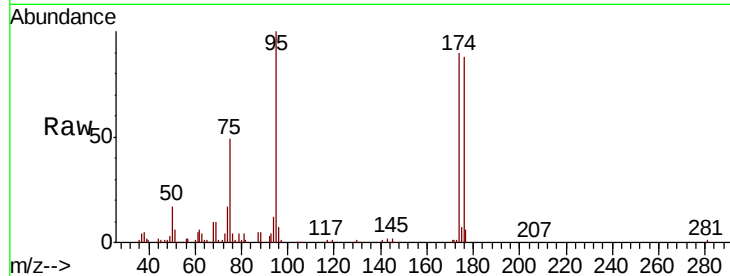




#77
t-1,4-Dichloro-2-butene
Concen: 38.371 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051634.D
Acq: 1 Oct 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
MW-4

Tot Ion: 75 Resp: 57929
Ion Ratio Lower Upper
75 100
53 0.7 48.1 144.4#
89 0.0 22.4 67.3#



#91
Naphthalene
Concen: 8.290 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN051634.D
Acq: 1 Oct 2018 13:39

Tgt Ion: 128 Resp: 233
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 9.1 13.7#

