

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055256.D
 Acq On : 25 Apr 2019 21:22
 Operator : JC/SP
 Sample : VN0426WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBL01

Quant Time: Apr 26 05:25:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 05:19:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	66896	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	369364	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	300177	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	162270	30.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.43%
60) 4-Bromofluorobenzene	12.40	95	102644	22.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	74.27%
63) Toluene-d8	10.09	98	438484	30.75	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.50%

Target Compounds

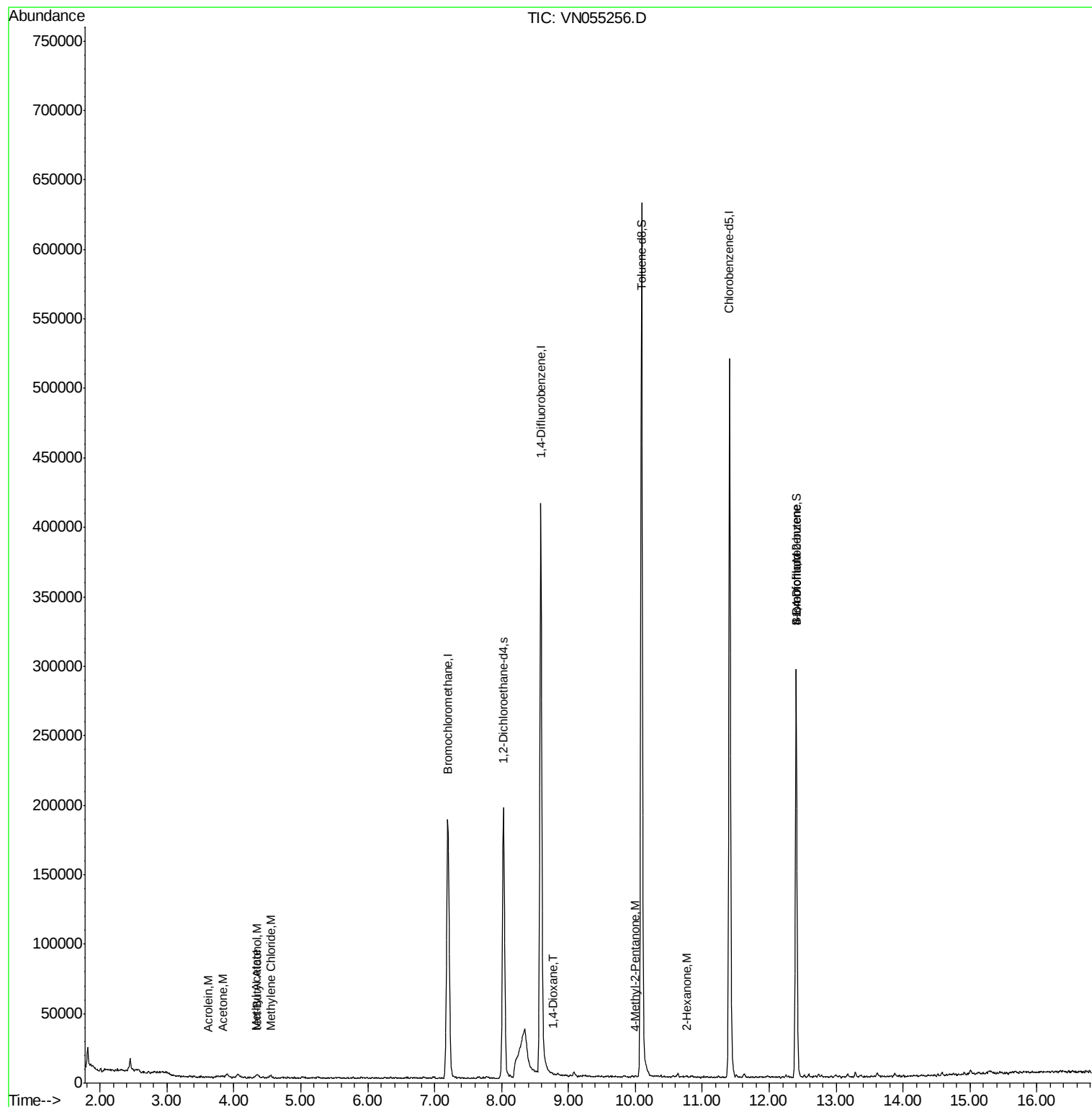
					Ovalue	
12) Methyl Acetate	4.33	43	2359	0.449	ug/l #	66
13) Acrolein	3.62	56	339	1.449	ug/l #	15
15) Acetone	3.84	58	105	0.233	ug/l #	1
18) Methylene Chloride	4.55	84	1009	0.224	ug/l #	52
23) tert-Butyl Alcohol	4.35	59	80	0.210	ug/l #	100
45) 1,4-Dioxane	8.77	88	155	3.306	ug/l #	24
56) Bromoform	12.40	173	676	0.252	ug/l #	1
58) 4-Methyl-2-Pentanone	10.00	43	1082	0.231	ug/l #	54
59) 2-Hexanone	10.76	43	659	0.220	ug/l #	48
77) t-1,4-Dichloro-2-butene	12.40	75	52808	47.819	ug/l #	3

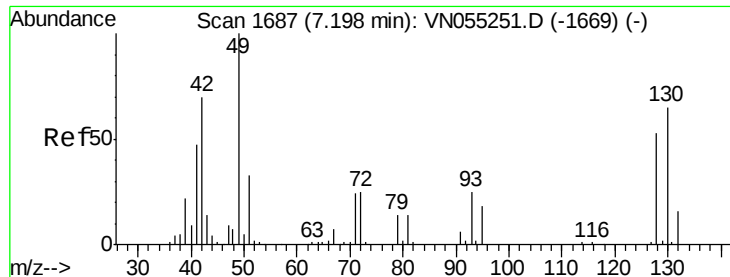
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00mL/MSVOA N/WATER
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VN0426WBL01

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Response via : Initial Calibration

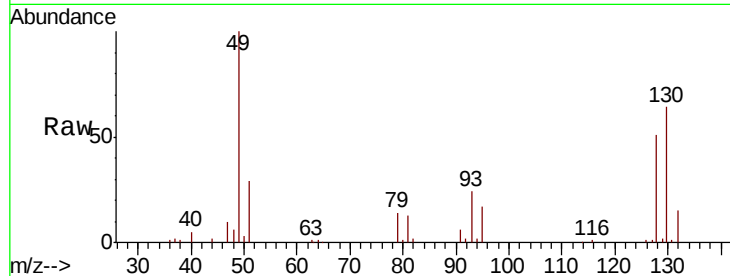




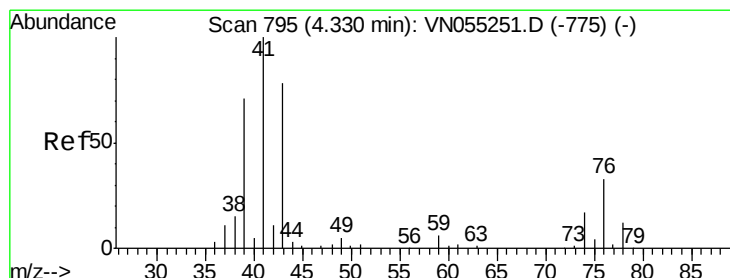
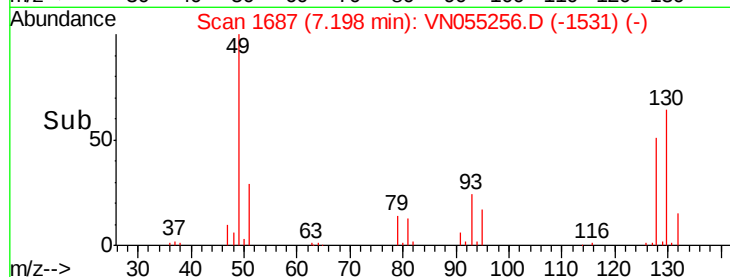
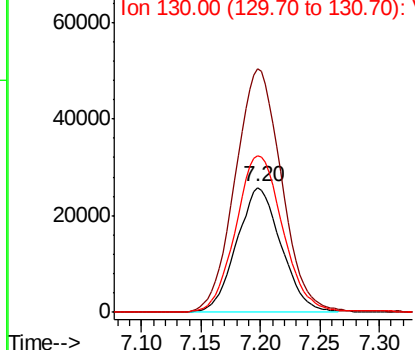
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN055256.D
Acq: 25 Apr 2019 21:22

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBL01

Tot Ion:128 Resp: 66896
Ion Ratio Lower Upper
128 100
49 203.0 0.0 485.0
130 132.5 0.0 324.7

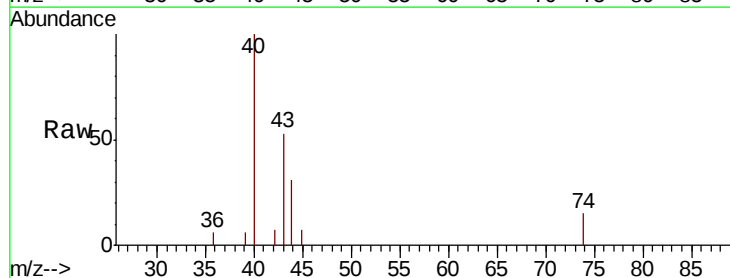


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

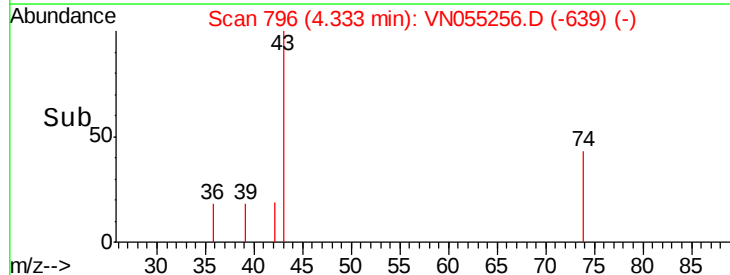
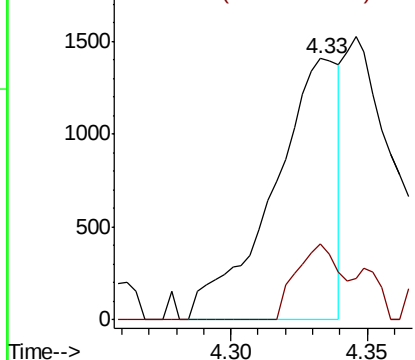


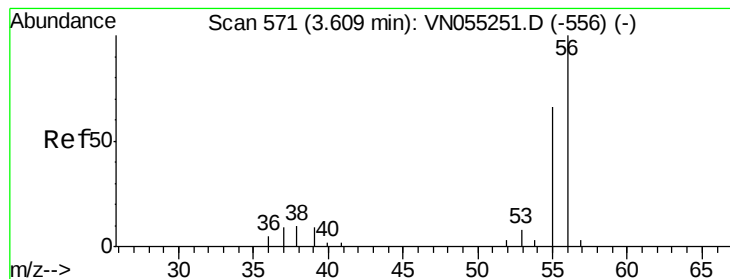
#12
Methyl Acetate
Concen: 0.449 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055256.D
Acq: 25 Apr 2019 21:22

Tgt Ion: 43 Resp: 2359
Ion Ratio Lower Upper
43 100
74 38.4 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 74.00 (73.70 to 74.70): VN





#13

Acrolein

Concen: 1.449 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN055256.D

Acq: 25 Apr 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

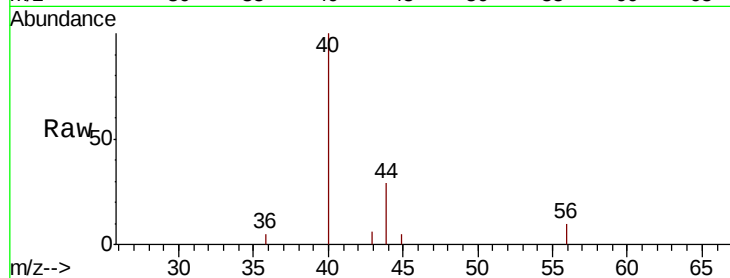
VN0426WBL01

Tot Ion: 56 Resp: 339

Ion Ratio Lower Upper

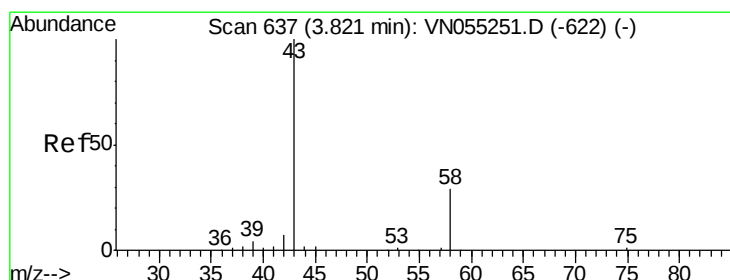
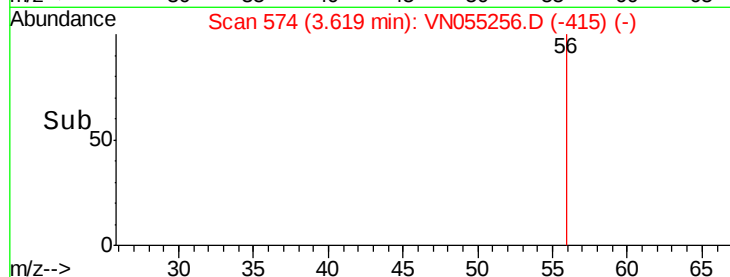
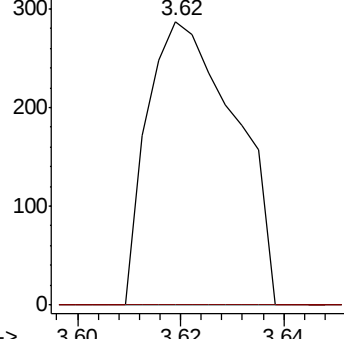
56 100

55 0.0 54.9 82.3#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#15

Acetone

Concen: 0.233 ug/l

RT: 3.84 min Scan# 642

Delta R.T. 0.02 min

Lab File: VN055256.D

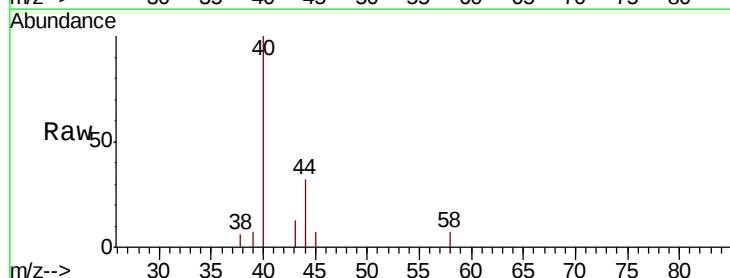
Acq: 25 Apr 2019 21:22

Tgt Ion: 58 Resp: 105

Ion Ratio Lower Upper

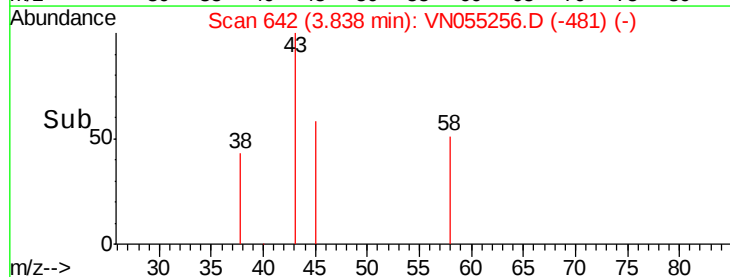
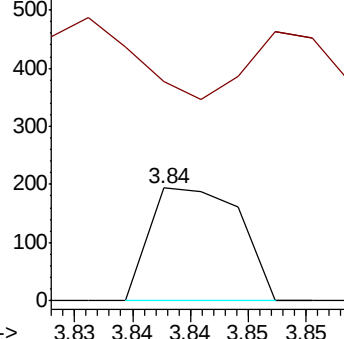
58 100

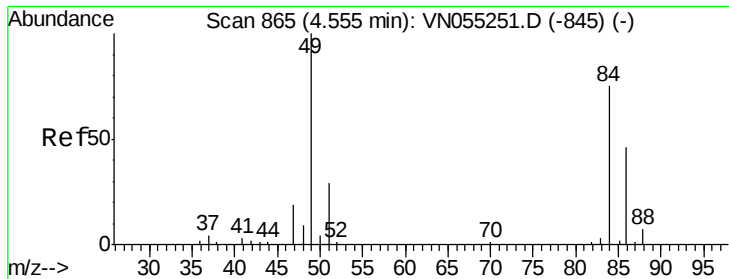
43 0.0 278.2 417.2#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

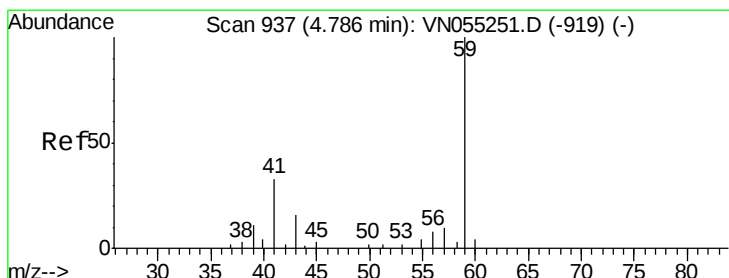
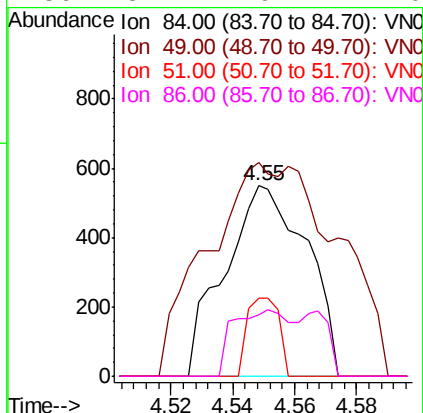
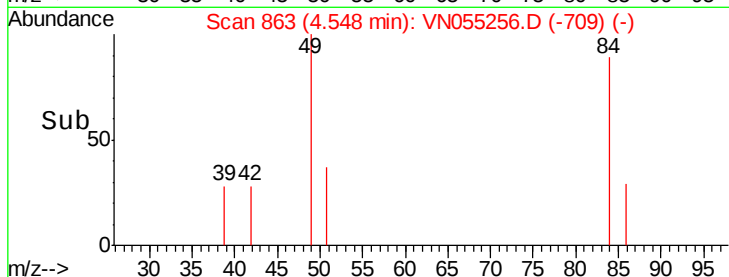
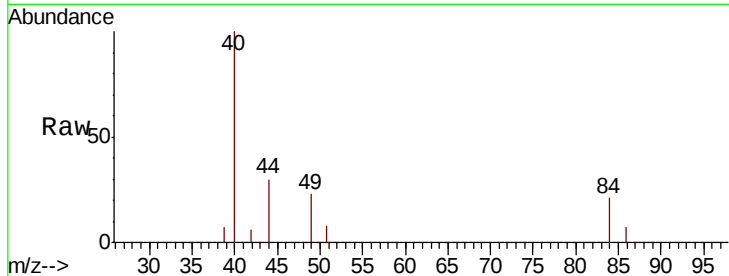




#18
Methvlene Chloride
Concen: 0.224 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN055256.D
Acq: 25 Apr 2019 21:22

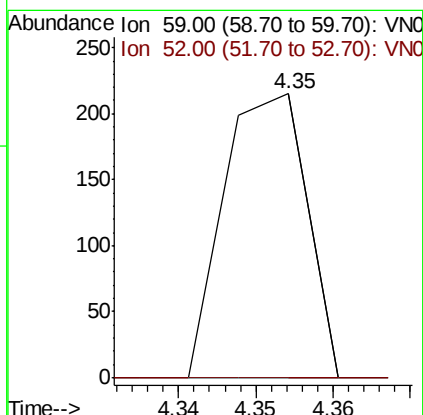
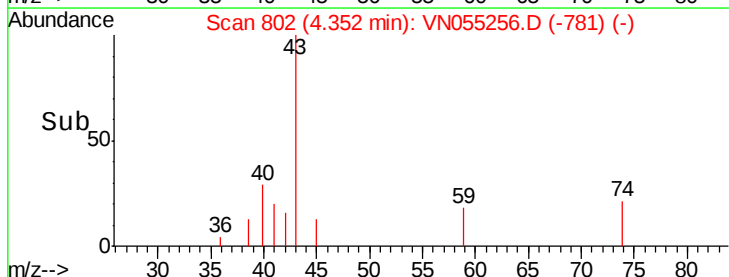
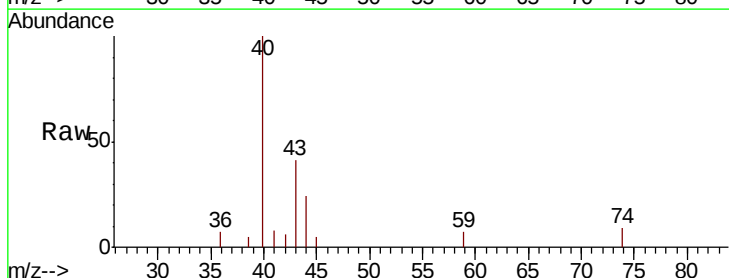
Instrument :
MSVOA_N
ClientSampleId :
VN0426WBL01

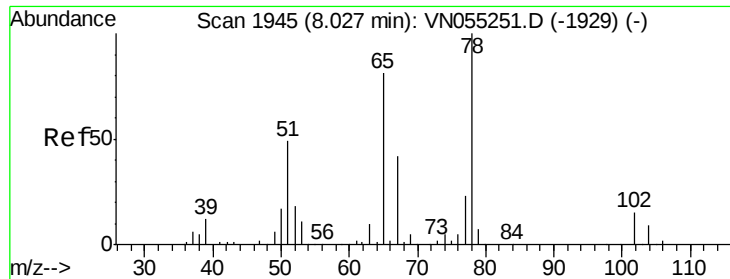
Tot Ion: 84 Resp: 1009
Ion Ratio Lower Upper
84 100
49 55.2 107.2 160.8#
51 41.3 31.4 47.2
86 32.4 49.4 74.0#



#23
tert-Butyl Alcohol
Concen: 0.210 ug/l
RT: 4.35 min Scan# 802
Delta R.T. -0.43 min
Lab File: VN055256.D
Acq: 25 Apr 2019 21:22

Tgt Ion: 59 Resp: 80
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055256.D

Acq: 25 Apr 2019 21:22

Instrument :

MSVOA_N

ClientSampleId :

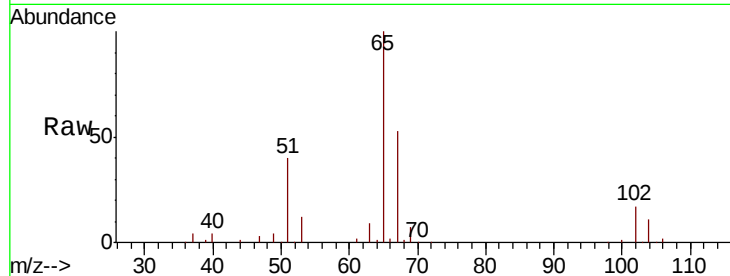
VN0426WBL01

Tot Ion: 65 Resp: 162270

Ion Ratio Lower Upper

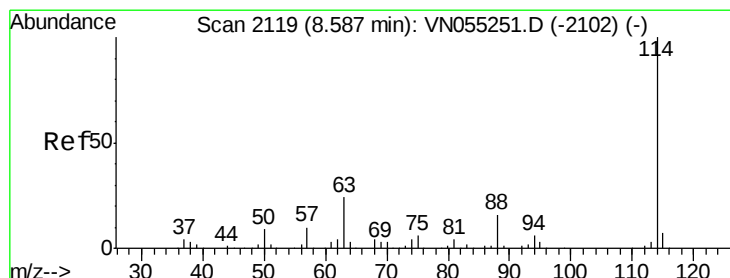
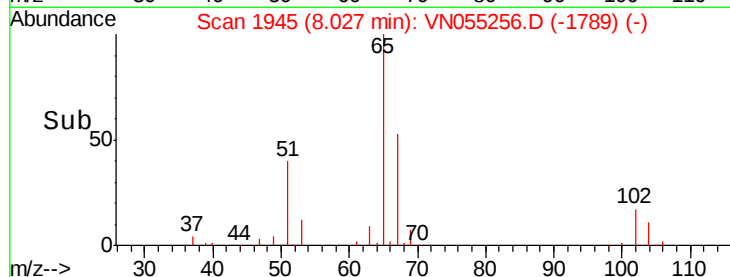
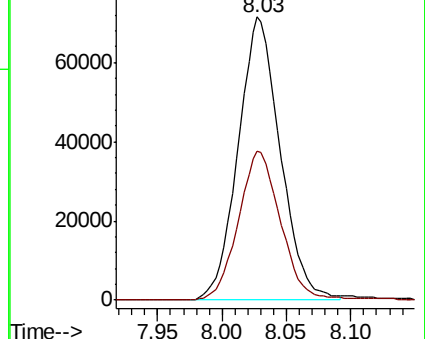
65 100

67 52.6 41.9 62.9



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055256.D

Acq: 25 Apr 2019 21:22

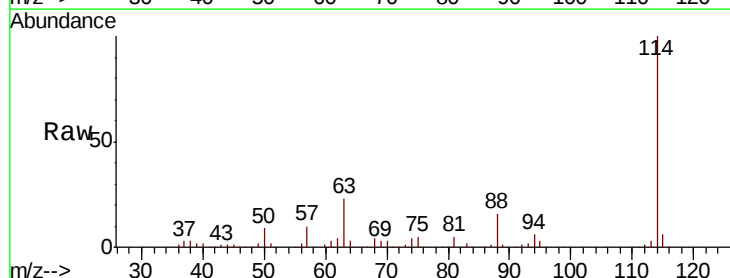
Tgt Ion: 114 Resp: 369364

Ion Ratio Lower Upper

114 100

63 22.1 18.2 27.2

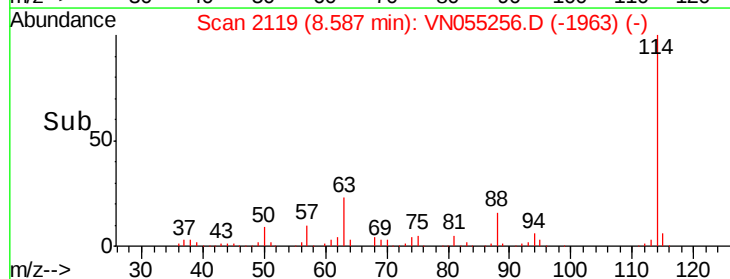
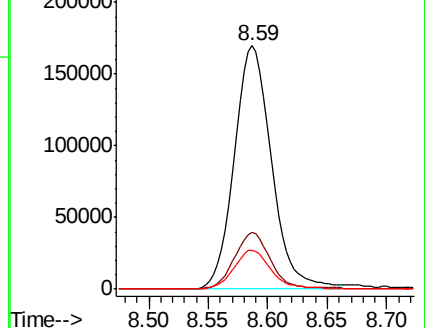
88 15.7 12.6 18.8

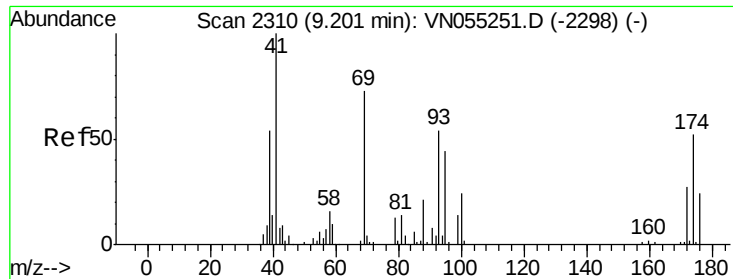


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0





#45

1,4-Dioxane

Concen: 3.306 ug/l

RT: 8.77 min Scan# 2177

Delta R.T. -0.43 min

Lab File: VN055256.D

Acq: 25 Apr 2019 21:22

Instrument :

MSVOA_N

ClientSampled :

VN0426WBL01

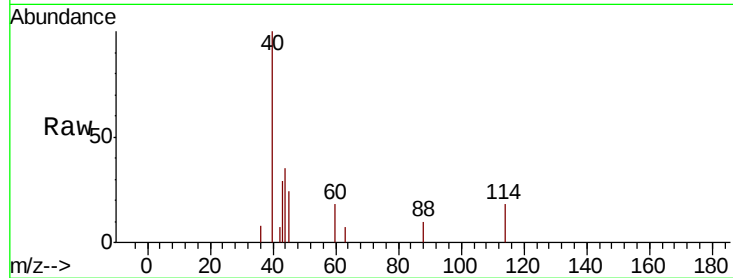
Tot Ion: 88 Resp: 155

Ion Ratio Lower Upper

88 100

43 65.2 29.4 44.0#

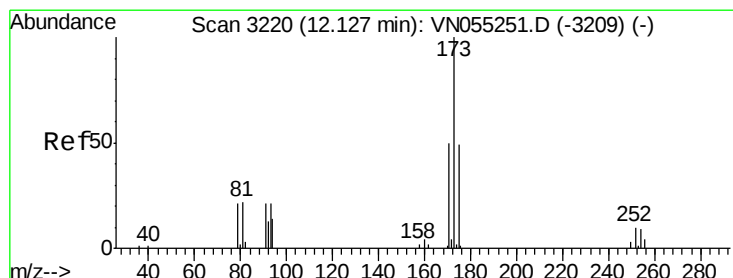
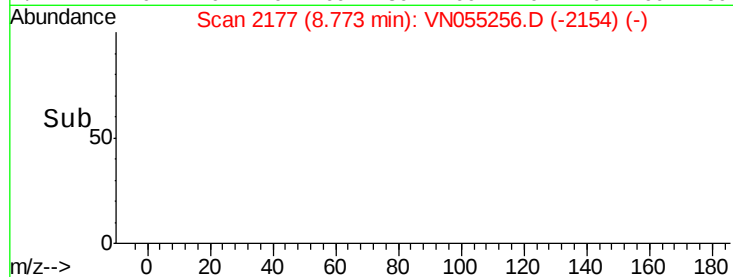
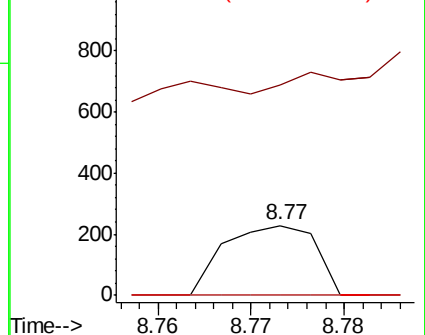
58 0.0 62.4 93.6#



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



#56

Bromoform

Concen: 0.252 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055256.D

Acq: 25 Apr 2019 21:22

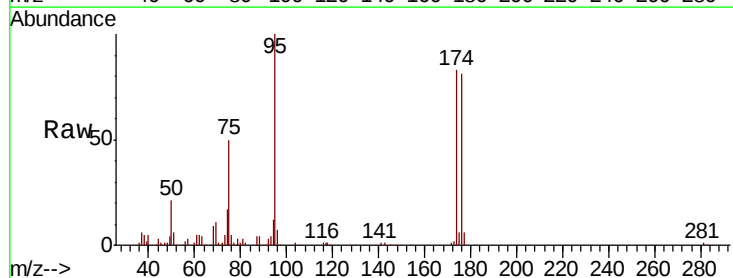
Tgt Ion:173 Resp: 676

Ion Ratio Lower Upper

173 100

175 950.3 37.7 56.5#

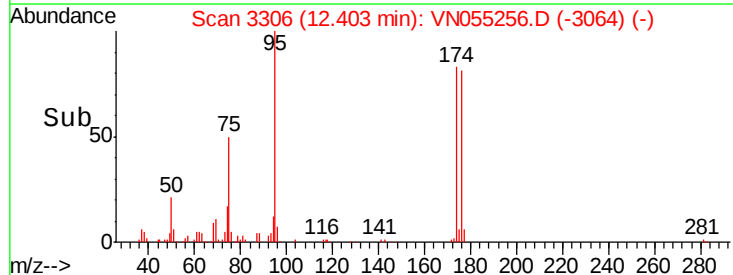
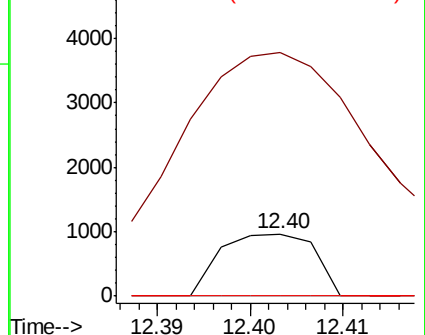
254 0.0 7.8 11.6#

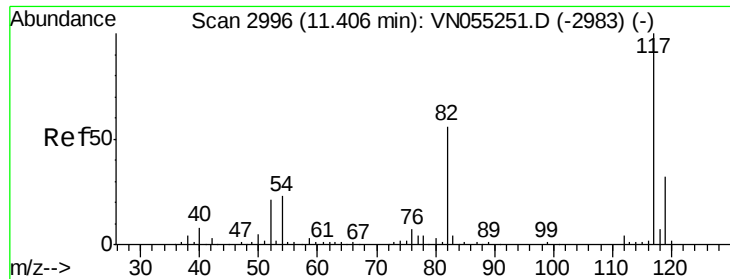


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

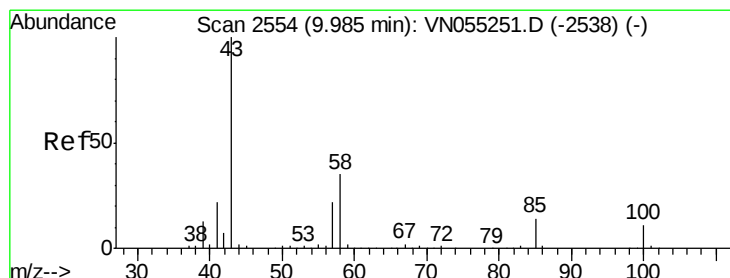
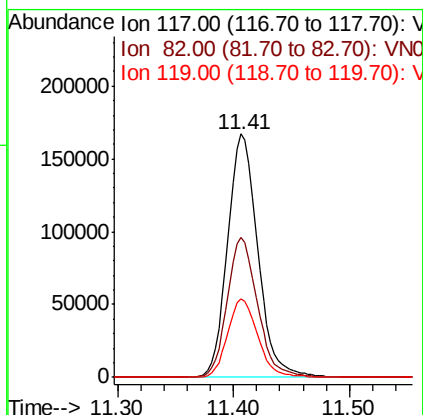
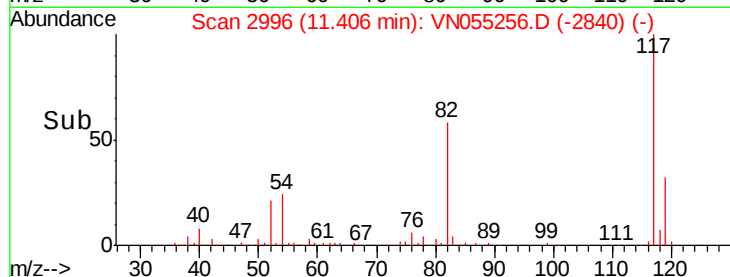
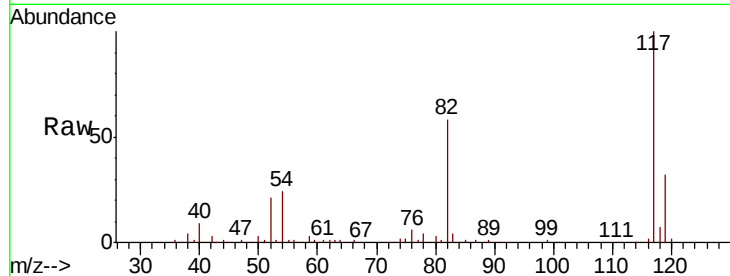




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055256.D
Acq: 25 Apr 2019 21:22

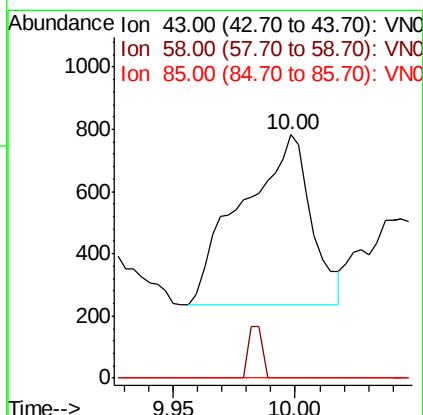
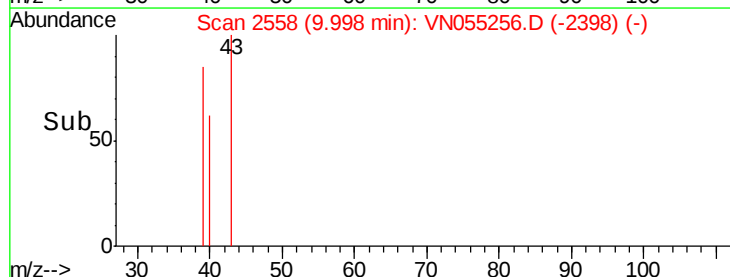
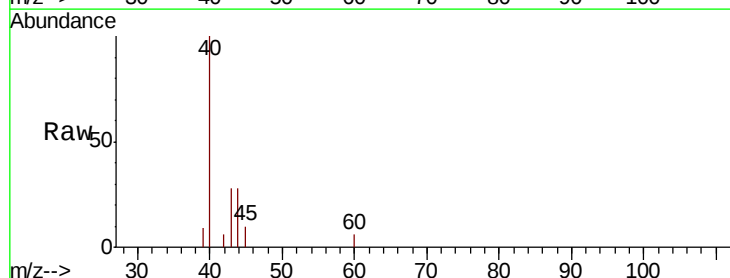
Instrument :
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VN0426WBL01

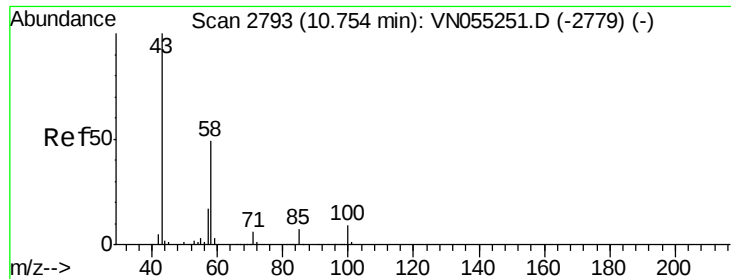
Tot Ion:117 Resp: 300177
Ion Ratio Lower Upper
117 100
82 57.6 45.3 67.9
119 32.1 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 0.231 ug/l
RT: 10.00 min Scan# 2558
Delta R.T. 0.01 min
Lab File: VN055256.D
Acq: 25 Apr 2019 21:22

Tgt Ion: 43 Resp: 1082
Ion Ratio Lower Upper
43 100
58 5.9 28.6 43.0#
85 0.0 11.4 17.2#

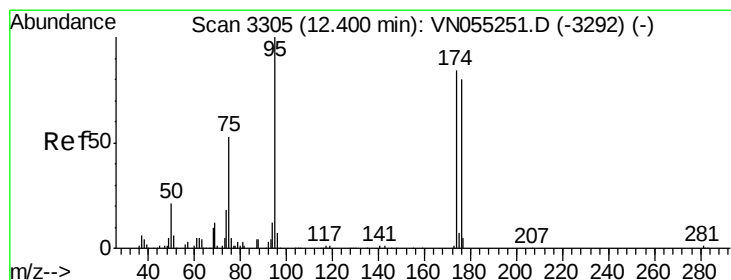
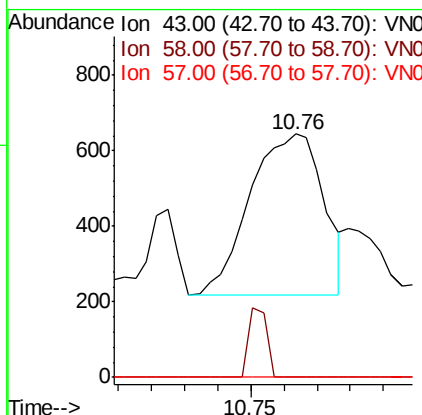
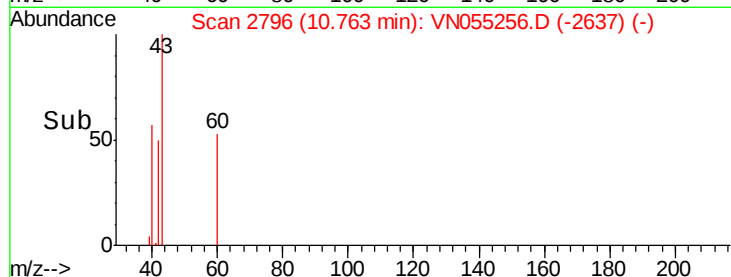
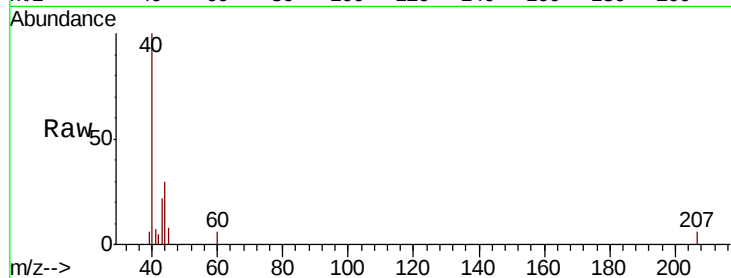




#59
2-Hexanone
Concen: 0.220 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN055256.D
Acq: 25 Apr 2019 21:22

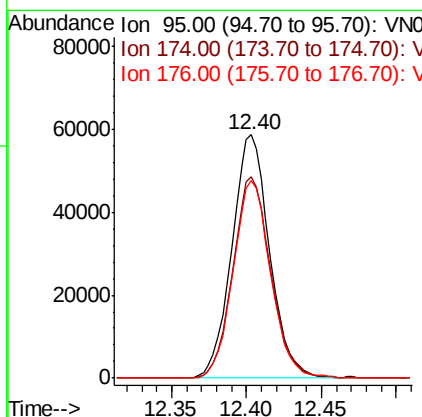
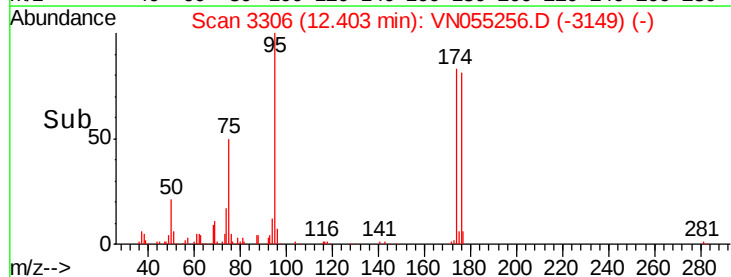
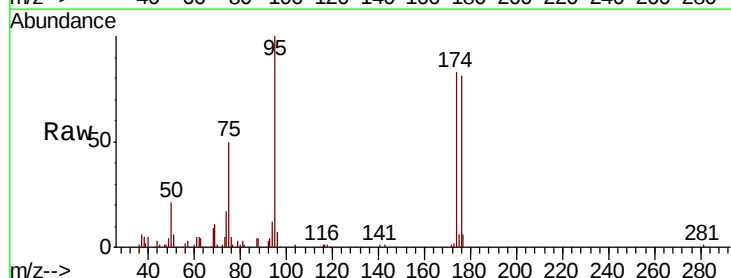
Instrument :
MSVOA_N
ClientSampled :
VN0426WBL01

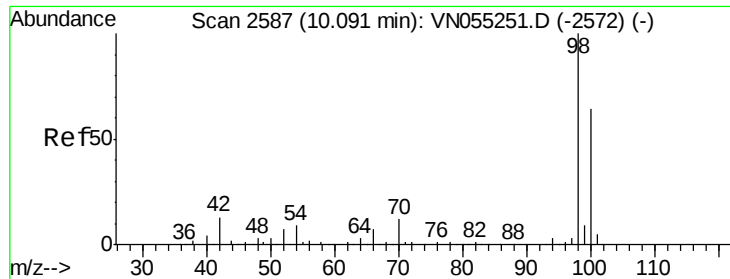
Tot Ion: 43 Resp: 659
Ion Ratio Lower Upper
43 100
58 10.3 39.0 58.6#
57 0.0 13.4 20.2#



#60
4-Bromofluorobenzene
Concen: 0.220 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN055256.D
Acq: 25 Apr 2019 21:22

Tgt Ion: 95 Resp: 102644
Ion Ratio Lower Upper
95 100
174 83.3 68.1 102.1
176 81.0 65.8 98.6





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055256.D

Acq: 25 Apr 2019 21:22

Instrument :

MSVOA_N

ClientSampled :

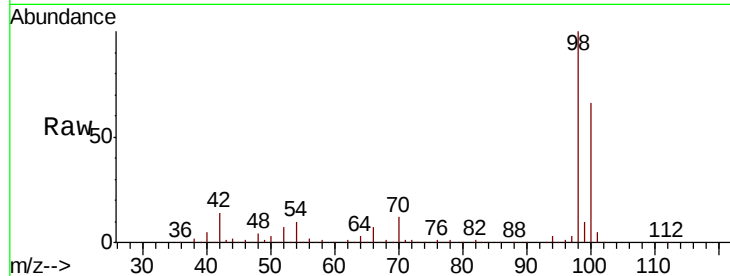
VN0426WBL01

Tot Ion: 98 Resp: 438484

Ion Ratio Lower Upper

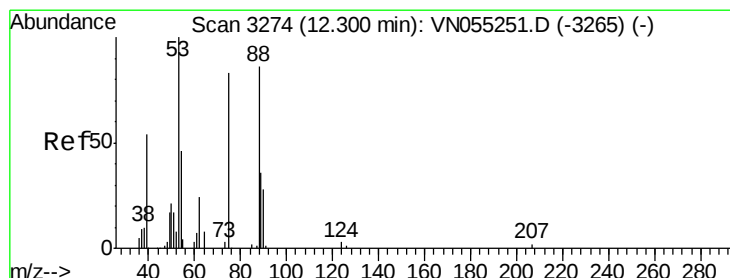
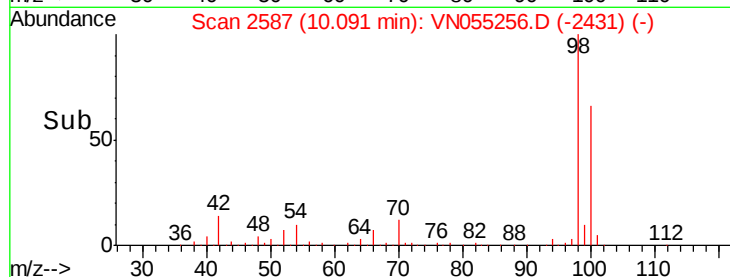
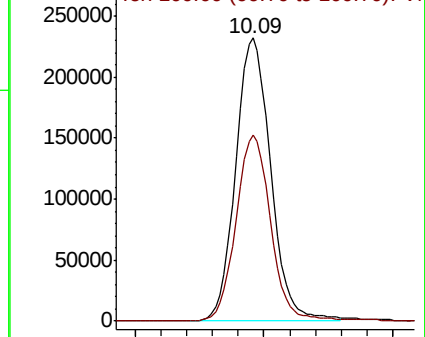
98 100

100 65.3 50.0 75.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#77

t-1,4-Dichloro-2-butene

Concen: 47.819 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055256.D

Acq: 25 Apr 2019 21:22

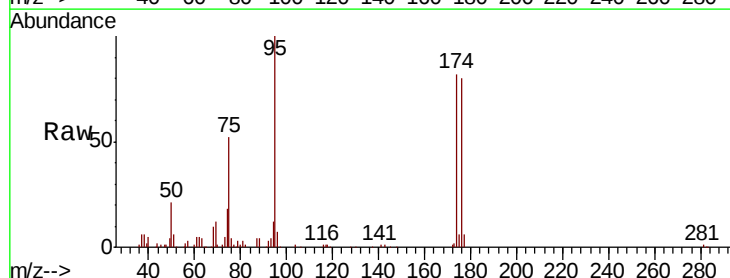
Tgt Ion: 75 Resp: 52808

Ion Ratio Lower Upper

75 100

53 0.0 59.5 178.5#

89 0.0 23.1 69.2#



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

