

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051480.D
 Acq On : 25 Sep 2018 12:44
 Operator : MD\SY
 Sample : VN0924WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBL01

Quant Time: Sep 26 02:08:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	100732	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	507933	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	422410	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	210147	30.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.03%
60) 4-Bromofluorobenzene	12.40	95	137131	22.11	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	73.70%
63) Toluene-d8	10.09	98	605889	29.92	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.73%

Target Compounds

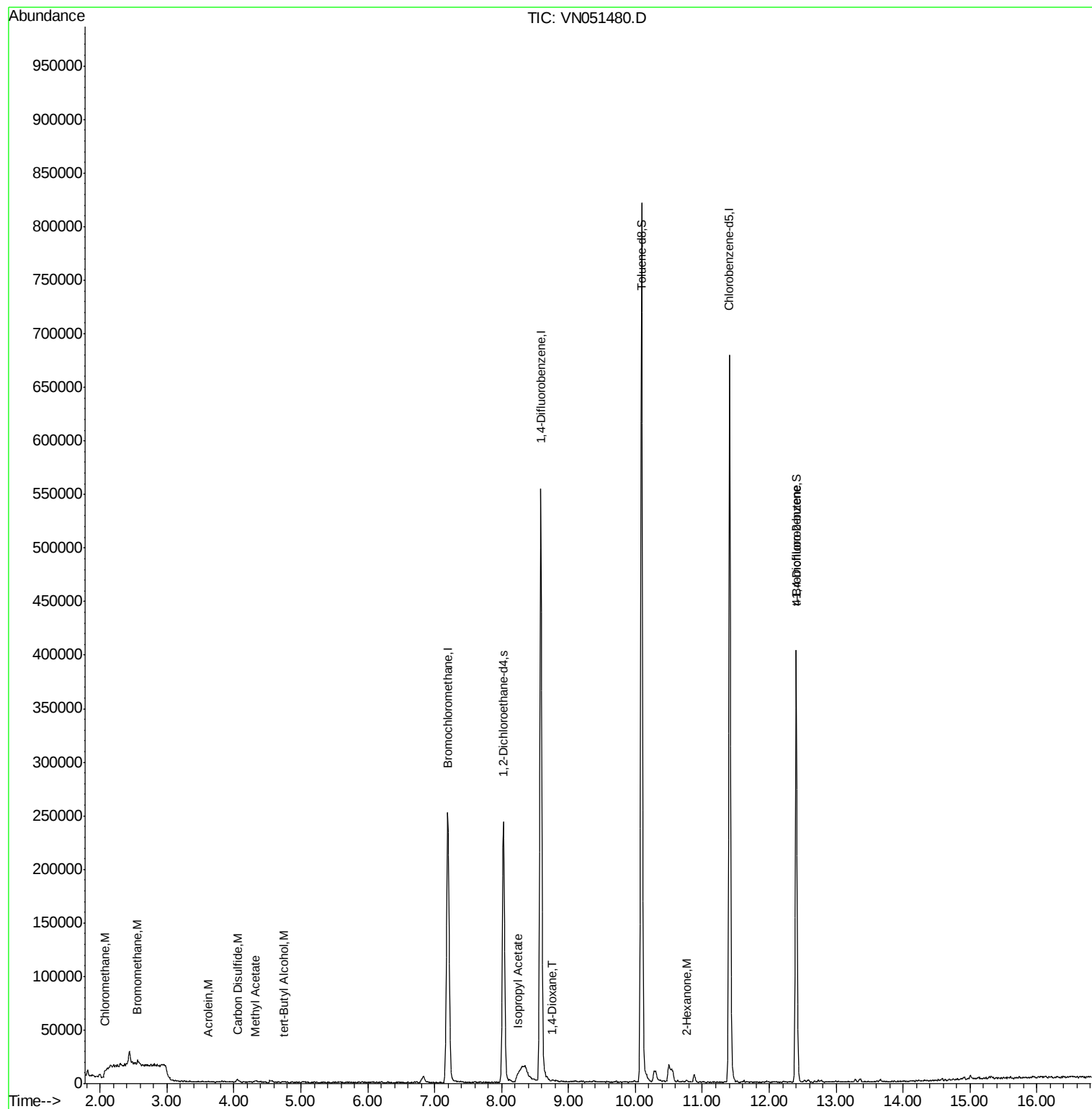
					Ovalue	
3) Chloromethane	2.06	50	1491	0.201	ug/l	91
5) Bromomethane	2.57	94	2270	0.439	ug/l	94
12) Methyl Acetate	4.32	43	1551	0.371	ug/l #	48
13) Acrolein	3.61	56	246	0.442	ug/l #	9
16) Carbon Disulfide	4.05	76	5348	0.355	ug/l	96
23) tert-Butyl Alcohol	4.75	59	146	0.457	ug/l #	100
44) Isopropyl Acetate	8.24	43	3240	0.438	ug/l #	66
45) 1,4-Dioxane	8.76	88	162	3.602	ug/l #	21
59) 2-Hexanone	10.76	43	1284	0.526	ug/l #	62
77) t-1,4-Dichloro-2-butene	12.40	75	67596	48.234	ug/l #	12

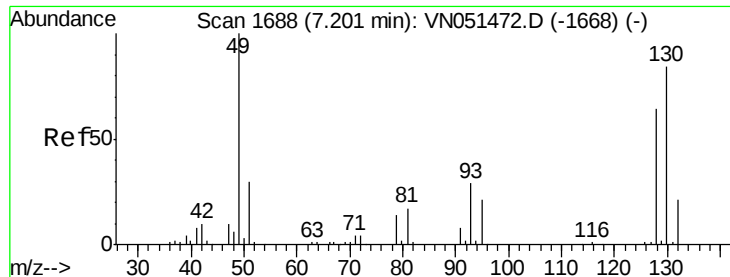
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 26 01:19:41 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: VN051480.D

Acq: 25 Sep 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBL01

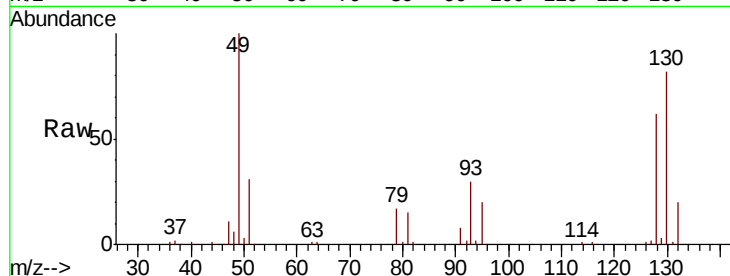
Tot Ion:128 Resp: 100732

Ion Ratio Lower Upper

128 100

49 160.2 0.0 403.3

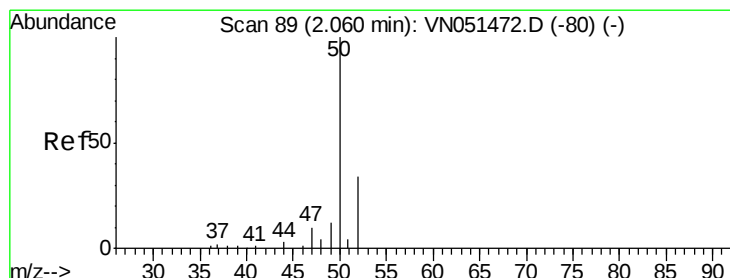
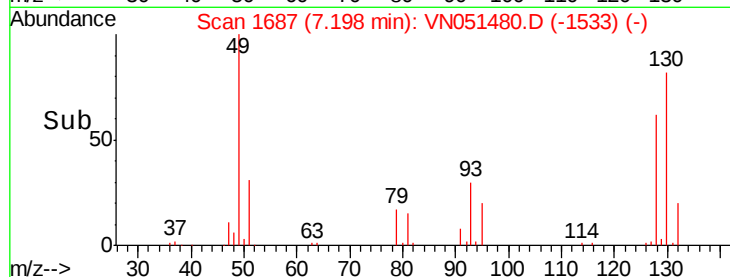
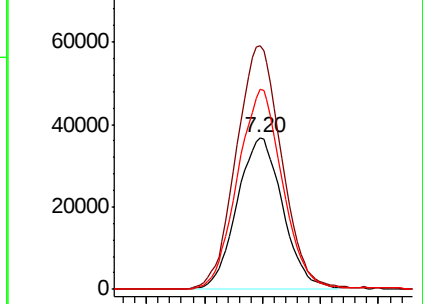
130 130.3 0.0 326.0



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



#3

Chloromethane

Concen: 0.201 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051480.D

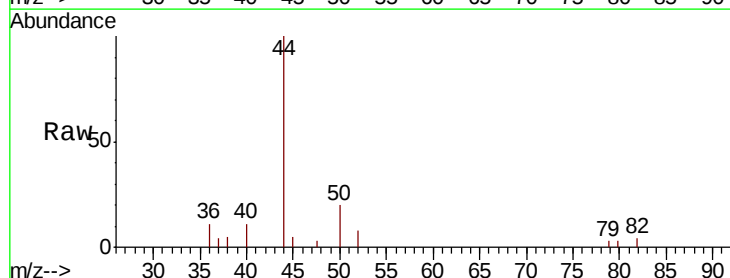
Acq: 25 Sep 2018 12:44

Tgt Ion: 50 Resp: 1491

Ion Ratio Lower Upper

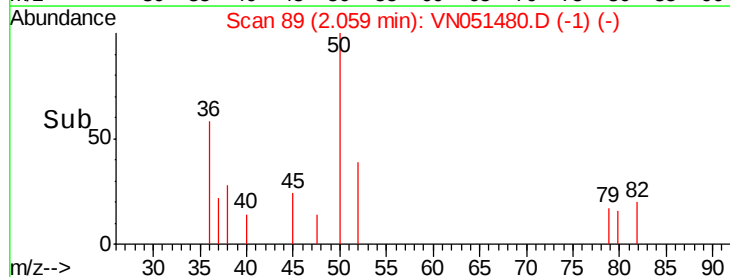
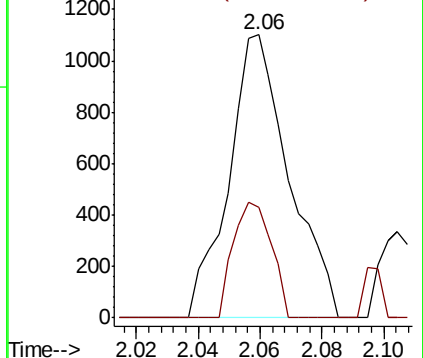
50 100

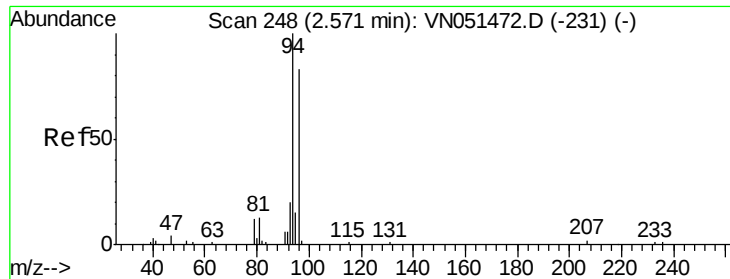
52 38.9 27.2 40.8



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#5

Bromomethane

Concen: 0.439 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051480.D

Acq: 25 Sep 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

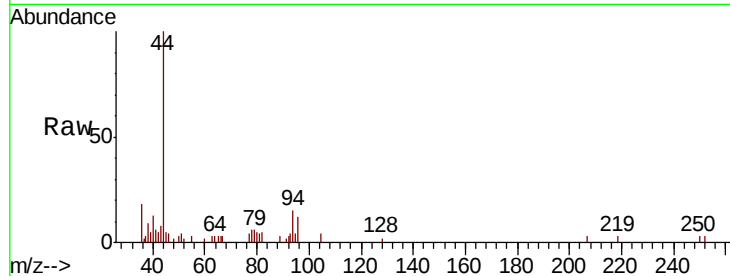
VN0925WBL01

Tot Ion: 94 Resp: 2270

Ion Ratio Lower Upper

94 100

96 77.4 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

1200

1000

800

600

400

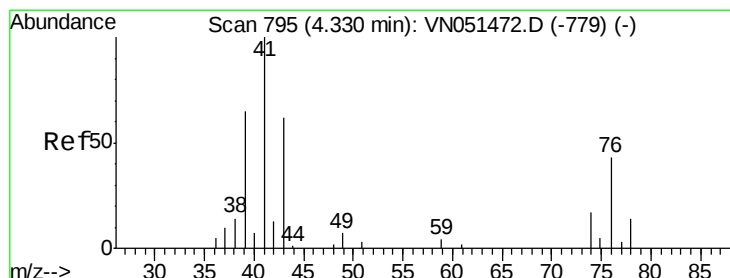
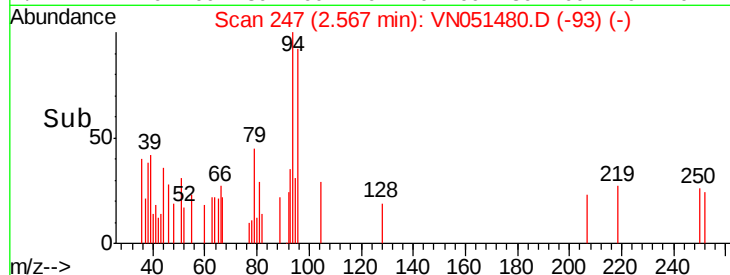
200

0

2.55

2.60

Time-->



#12

Methyl Acetate

Concen: 0.371 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.01 min

Lab File: VN051480.D

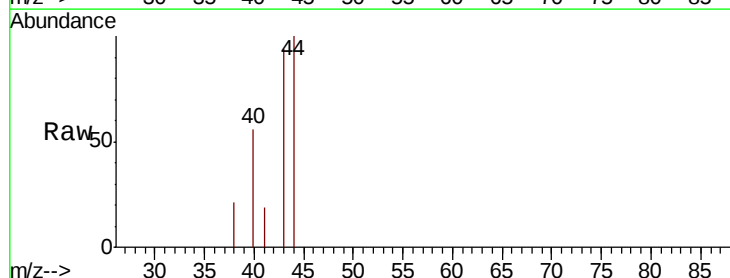
Acq: 25 Sep 2018 12:44

Tgt Ion: 43 Resp: 1551

Ion Ratio Lower Upper

43 100

74 0.0 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

1000

800

600

400

200

0

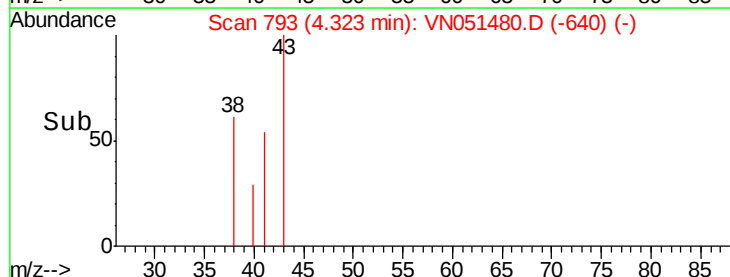
4.28

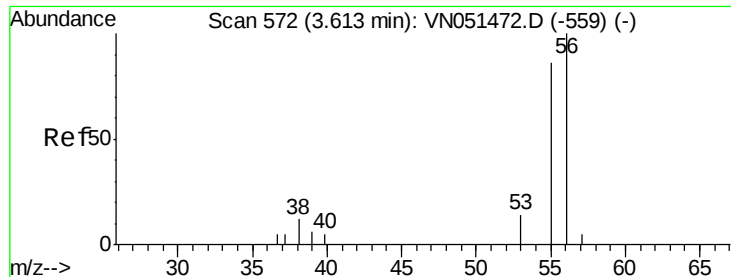
4.30

4.32

4.34

Time-->





#13

Acrolein

Concen: 0.442 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.01 min

Lab File: VN051480.D

Acq: 25 Sep 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

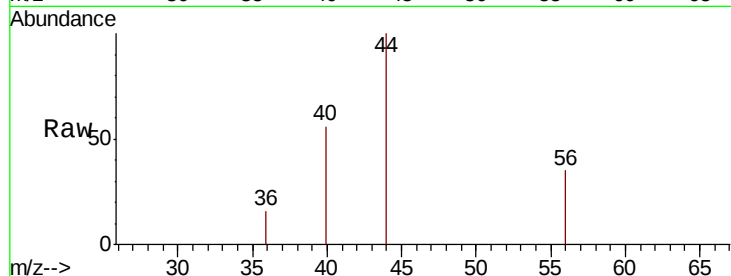
VN0925WBL01

Tot Ion: 56 Resp: 246

Ion Ratio Lower Upper

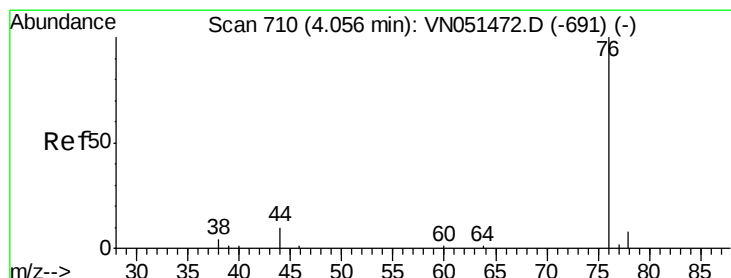
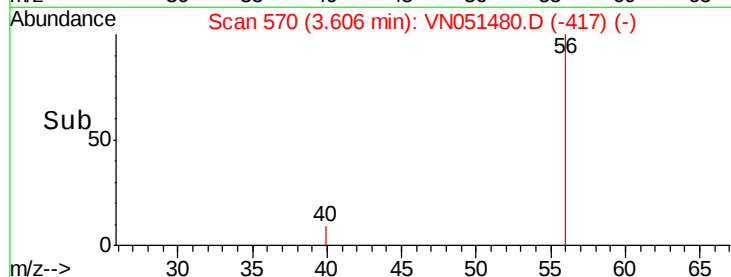
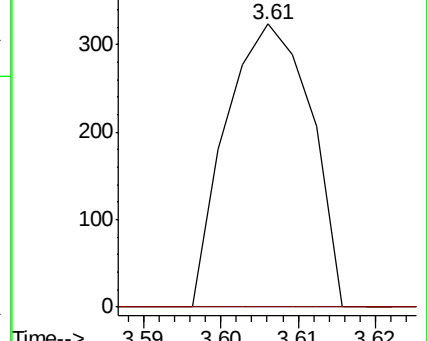
56 100

55 0.0 64.0 96.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Carbon Disulfide

Concen: 0.355 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051480.D

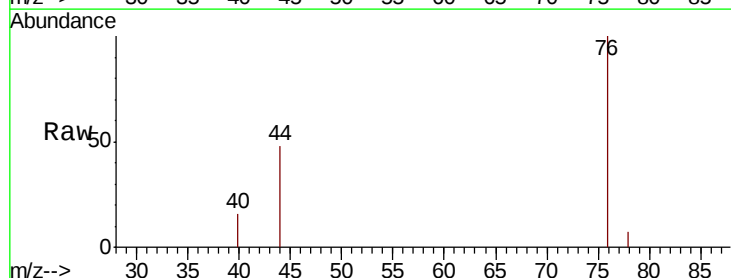
Acq: 25 Sep 2018 12:44

Tgt Ion: 76 Resp: 5348

Ion Ratio Lower Upper

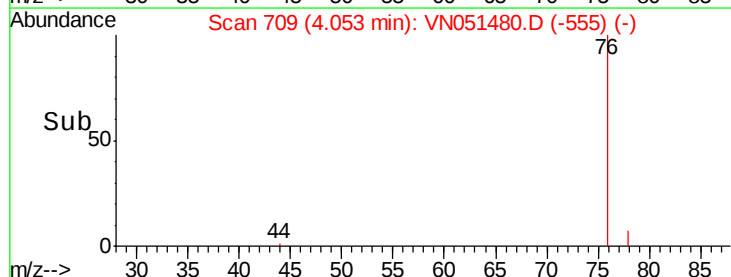
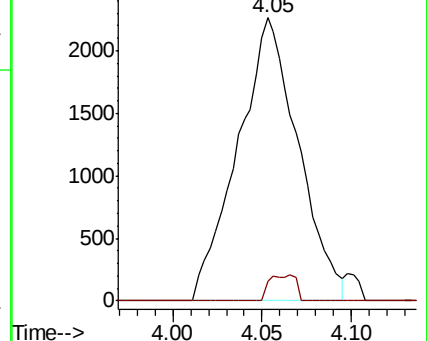
76 100

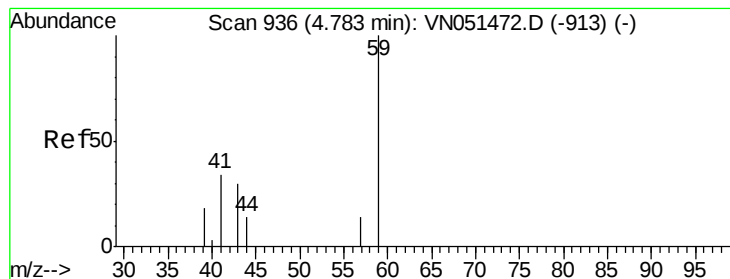
78 6.9 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#23

tert-Butyl Alcohol

Concen: 0.457 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.04 min

Lab File: VN051480.D

Acq: 25 Sep 2018 12:44

Instrument :

MSVOA_N

ClientSampled :

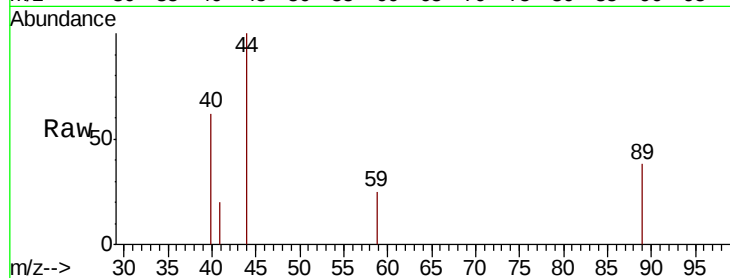
VN0925WBL01

Tot Ion: 59 Resp: 146

Ion Ratio Lower Upper

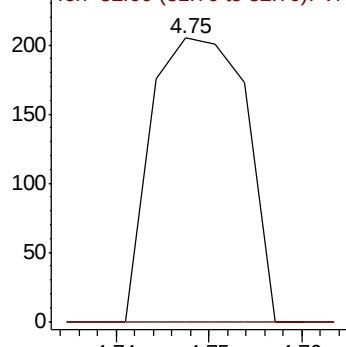
59 100

52 0.0 0.0 0.0

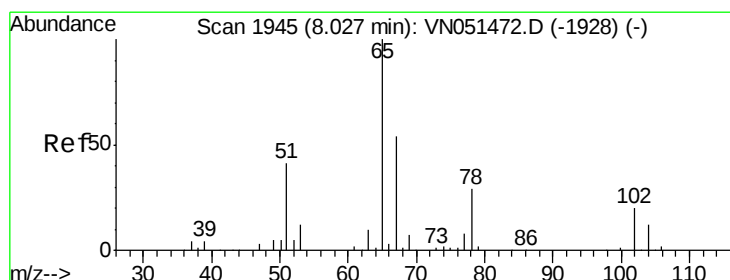
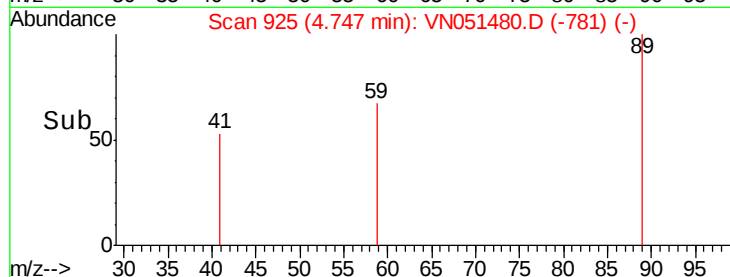


Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



Time-->



#27

1,2-Dichloroethane-d4

Concen: 30.312 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051480.D

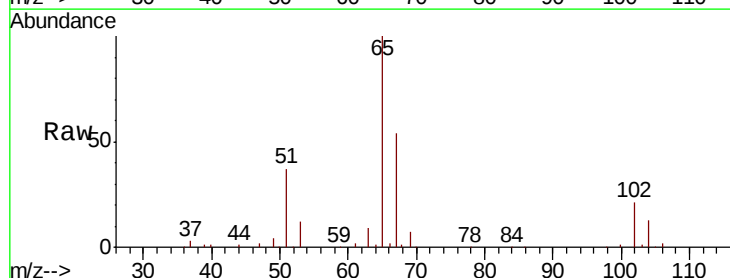
Acq: 25 Sep 2018 12:44

Tgt Ion: 65 Resp: 210147

Ion Ratio Lower Upper

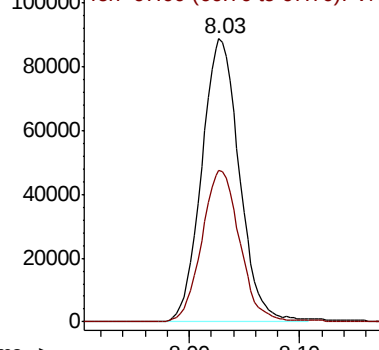
65 100

67 53.7 41.8 62.8

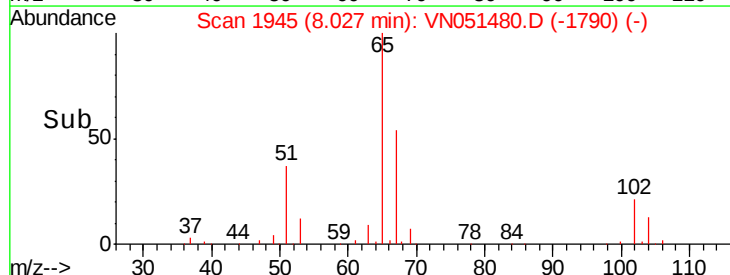


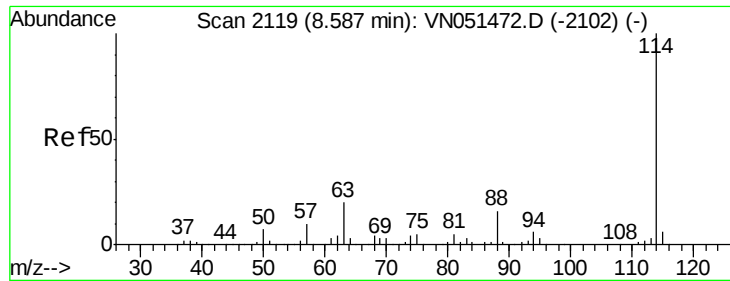
Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



Time-->

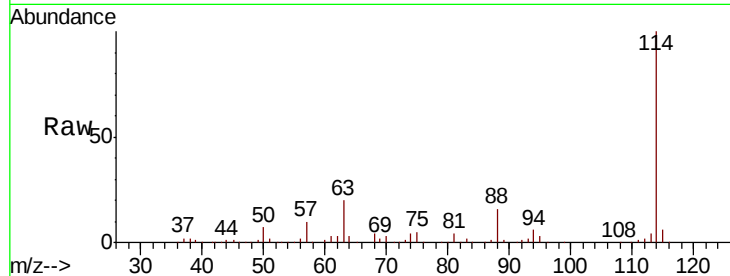




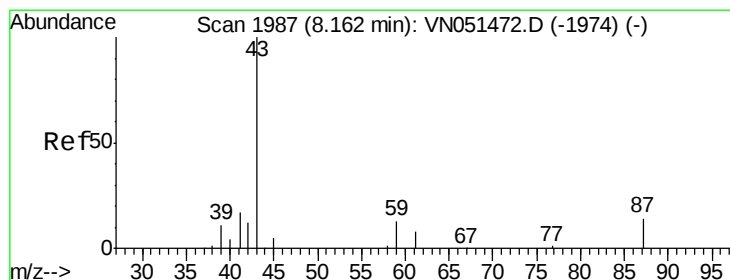
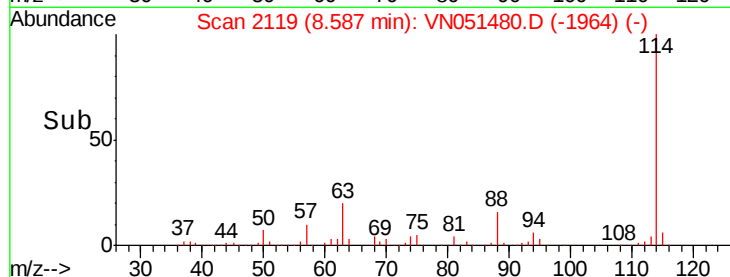
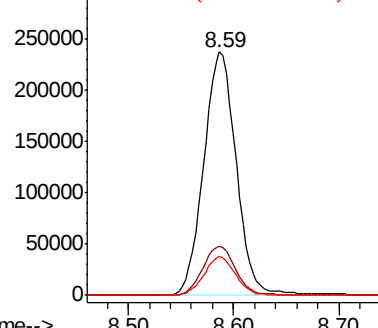
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051480.D
 Acq: 25 Sep 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBL01

Tot Ion:114 Resp: 507933
 Ion Ratio Lower Upper
 114 100
 63 20.5 16.2 24.2
 88 15.5 12.2 18.4

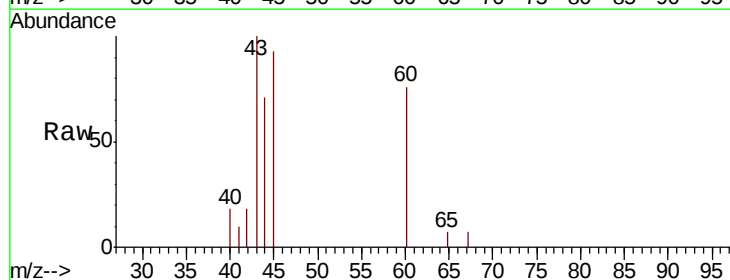


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 88.00 (87.70 to 88.70): VN

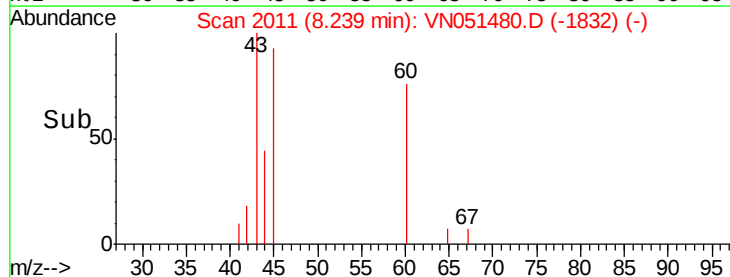
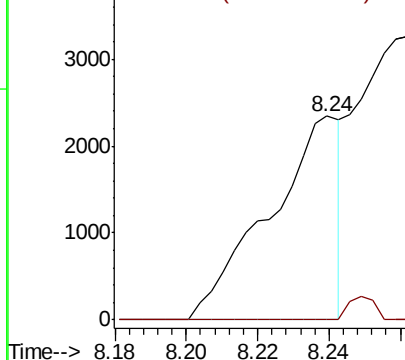


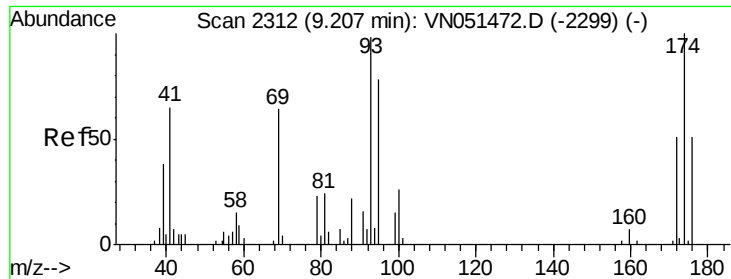
#44
 Isopropyl Acetate
 Concen: 0.438 ug/l
 RT: 8.24 min Scan# 2011
 Delta R.T. 0.08 min
 Lab File: VN051480.D
 Acq: 25 Sep 2018 12:44

Tgt Ion: 43 Resp: 3240
 Ion Ratio Lower Upper
 43 100
 61 4.3 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN
 Ion 61.00 (60.70 to 61.70): VN





#45

1,4-Dioxane

Concen: 3.602 ug/l

RT: 8.76 min Scan# 2173

Delta R.T. -0.45 min

Lab File: VN051480.D

Acq: 25 Sep 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBL01

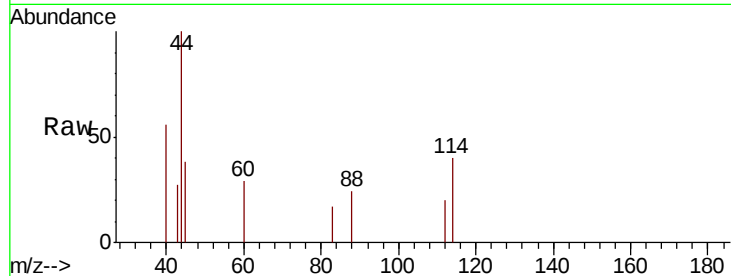
Tot Ion: 88 Resp: 162

Ion Ratio Lower Upper

88 100

43 59.9 26.2 39.2#

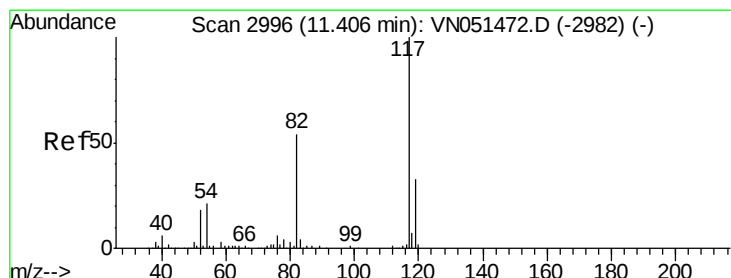
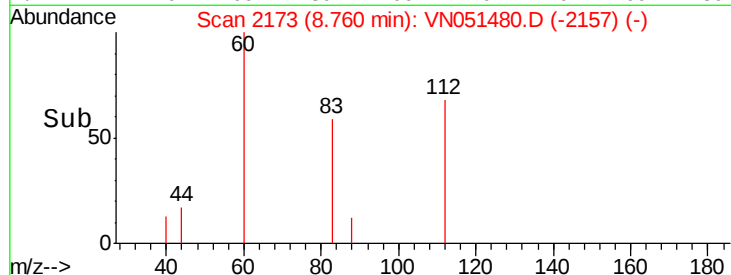
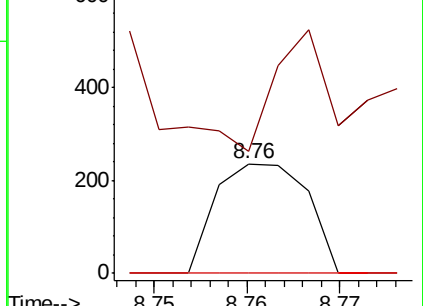
58 0.0 65.6 98.4#



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



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051480.D

Acq: 25 Sep 2018 12:44

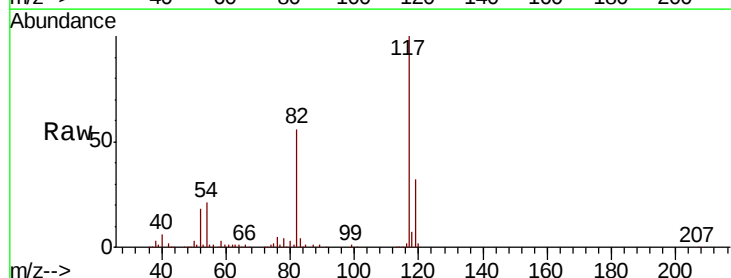
Tgt Ion: 117 Resp: 422410

Ion Ratio Lower Upper

117 100

82 55.0 44.1 66.1

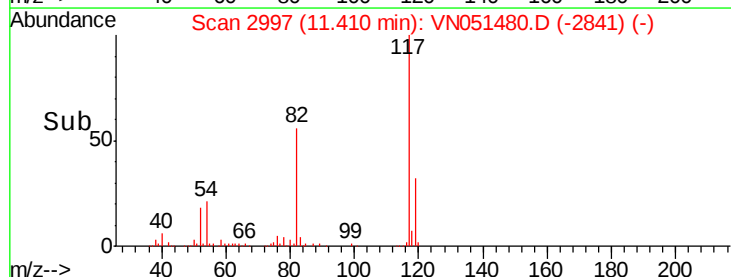
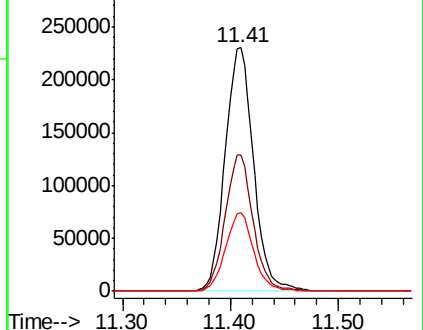
119 31.7 25.8 38.8

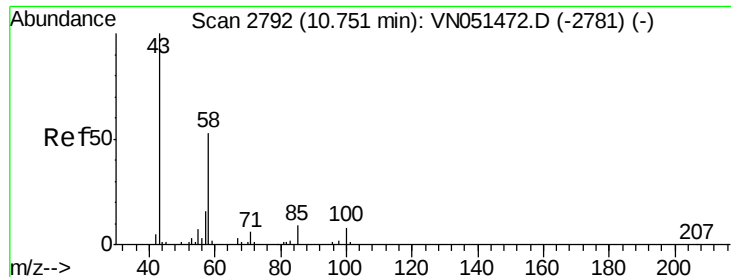


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 119.00 (118.70 to 119.70): V

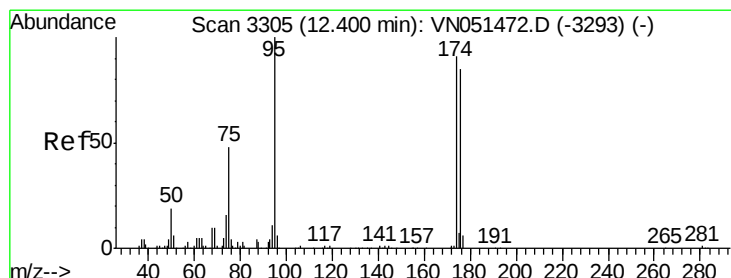
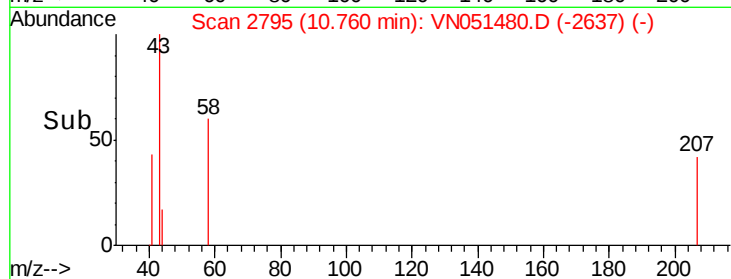
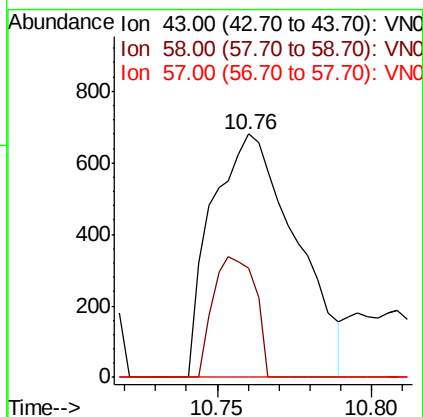
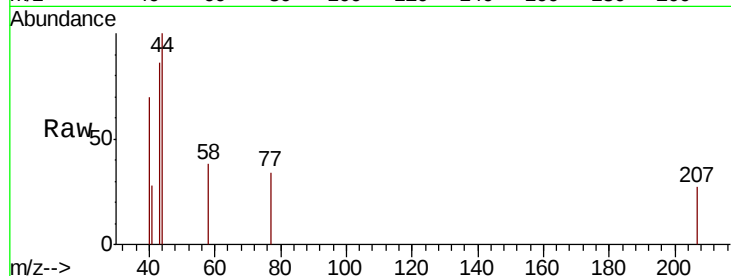




#59
2-Hexanone
Concen: 0.526 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN051480.D
Acq: 25 Sep 2018 12:44

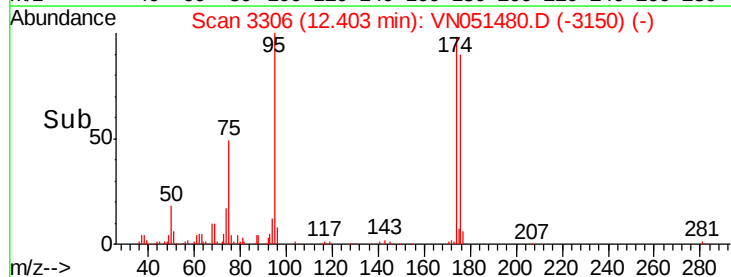
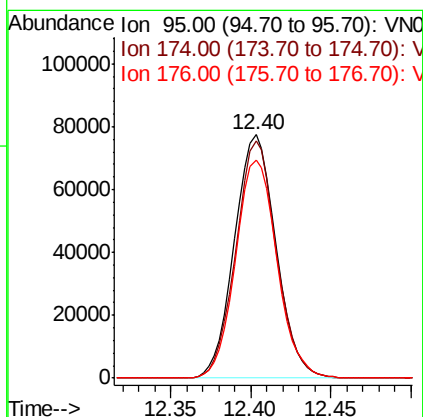
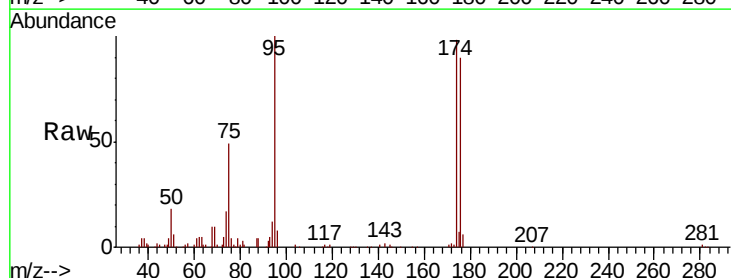
Instrument :
MSVOA_N
ClientSampled :
VN0925WBL01

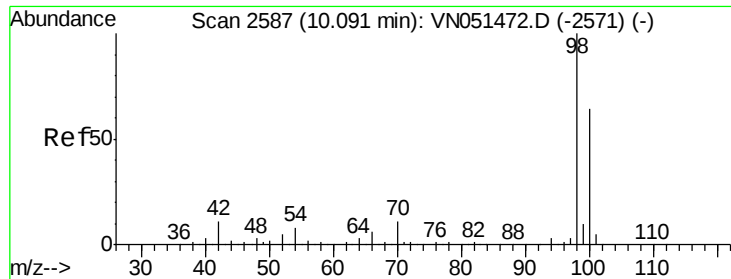
Tot Ion: 43 Resp: 1284
Ion Ratio Lower Upper
43 100
58 24.9 41.3 61.9#
57 0.0 13.4 20.0#



#60
4-Bromofluorobenzene
Concen: 22.113 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051480.D
Acq: 25 Sep 2018 12:44

Tgt Ion: 95 Resp: 137131
Ion Ratio Lower Upper
95 100
174 95.2 73.5 110.3
176 89.3 70.2 105.2





#63

Toluene-d8

Concen: 29.916 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051480.D

Acq: 25 Sep 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

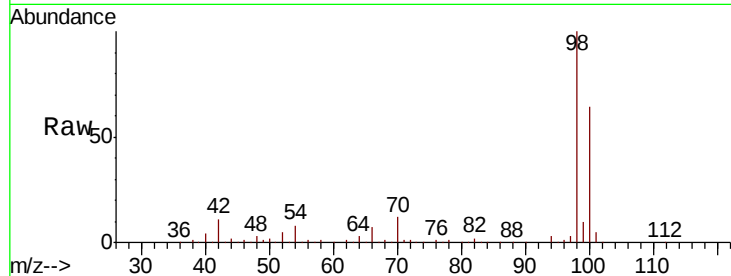
VN0925WBL01

Tot Ion: 98 Resp: 605889

Ion Ratio Lower Upper

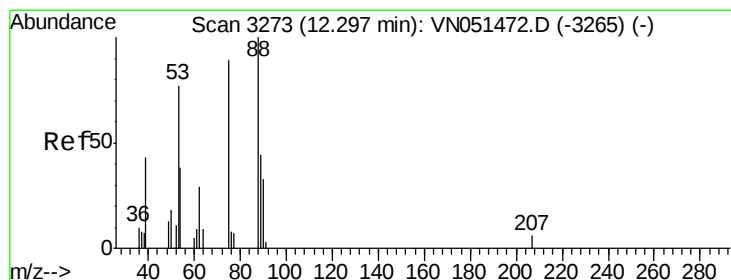
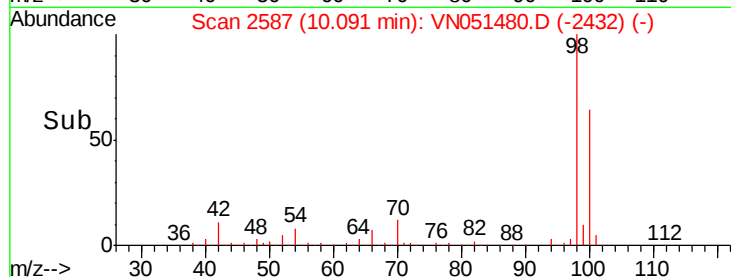
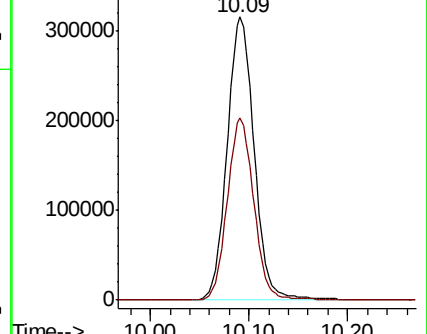
98 100

100 63.4 50.8 76.2



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: 48.234 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.11 min

Lab File: VN051480.D

Acq: 25 Sep 2018 12:44

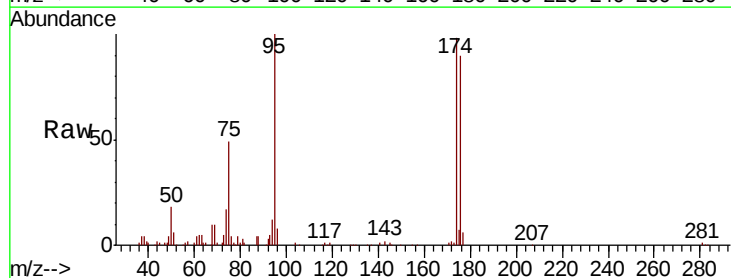
Tgt Ion: 75 Resp: 67596

Ion Ratio Lower Upper

75 100

53 0.0 46.3 138.9#

89 0.0 24.6 73.8#



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

