

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
 Data File : VN051744.D
 Acq On : 9 Oct 2018 12:03
 Operator : MD\SY
 Sample : VN1009WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBL01

Quant Time: Oct 10 03:27:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:11:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	115316	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	642501	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	508775	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	227232	28.39	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.63%
60) 4-Bromofluorobenzene	12.40	95	183337	23.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	78.73%
63) Toluene-d8	10.09	98	729362	32.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	107.63%

Target Compounds

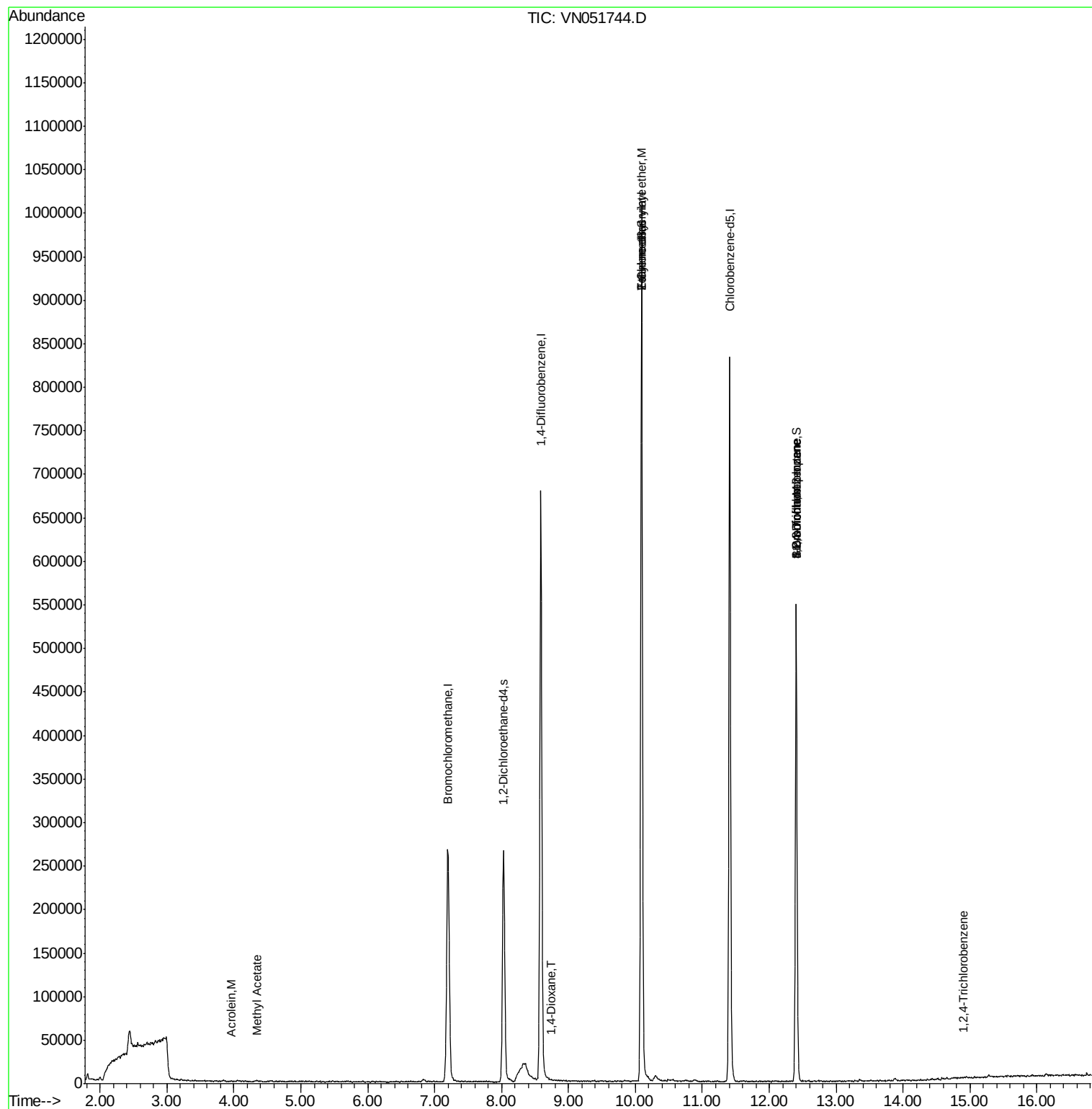
					Ovalue	
12) Methyl Acetate	4.34	43	1801	0.424	ug/l #	48
13) Acrolein	3.96	56	114	0.365	ug/l	91
45) 1,4-Dioxane	8.75	88	143	2.338	ug/l #	1
51) Ethyl methacrylate	10.09	69	2255	0.287	ug/l	89
55) 2-Chloroethyl vinyl ether	10.09	63	791	0.243	ug/l #	1
56) Bromoform	12.40	173	1750	0.301	ug/l #	1
72) 1,2,3-Trichloropropane	12.40	75	98755	19.289	ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	98755	51.736	ug/l #	12
89) 1,2,4-Trichlorobenzene	14.91	180	191	6.855	ug/l #	66

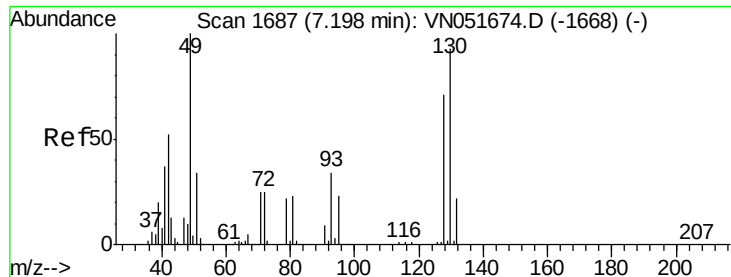
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :
VN1009WBL01

Quant Time: Oct 10 03:27:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 05 11:11:26 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: VN051744.D

Acq: 9 Oct 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBL01

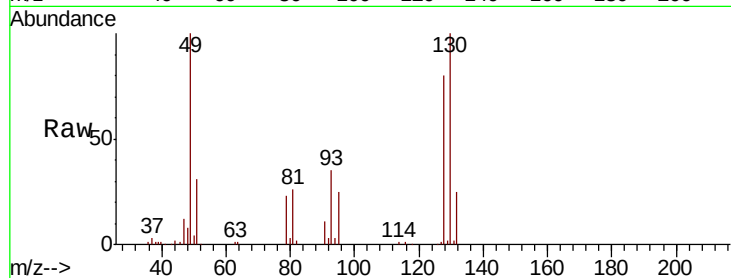
Tot Ion:128 Resp: 115316

Ion Ratio Lower Upper

128 100

49 124.7 0.0 403.3

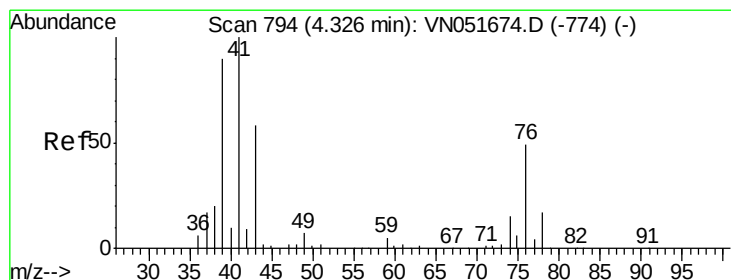
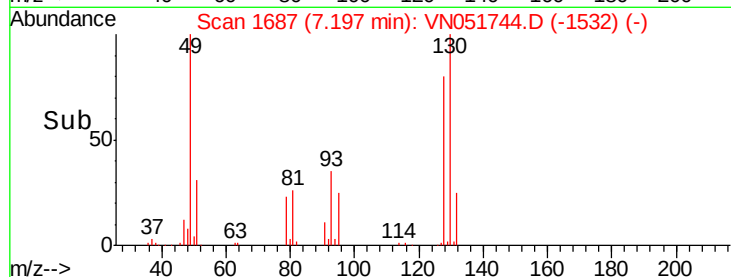
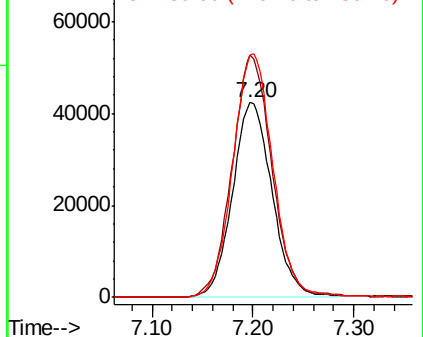
130 126.8 0.0 326.0



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: 0.424 ug/l

RT: 4.34 min Scan# 799

Delta R.T. 0.02 min

Lab File: VN051744.D

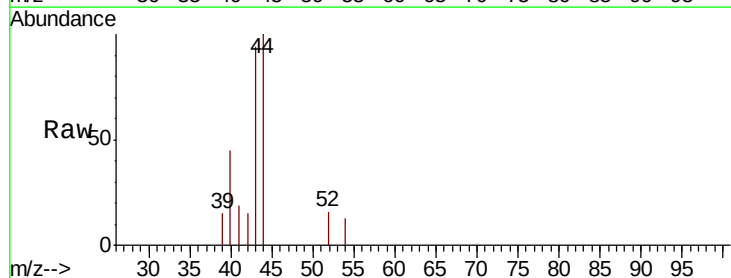
Acq: 9 Oct 2018 12:03

Tgt Ion: 43 Resp: 1801

Ion Ratio Lower Upper

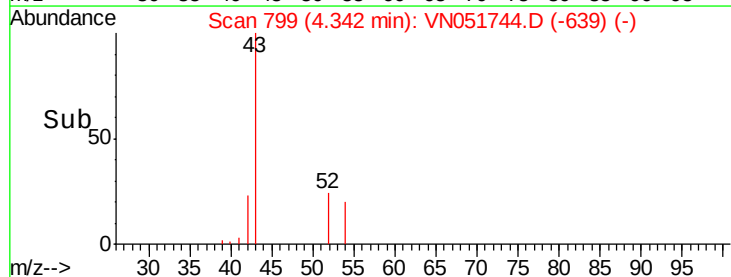
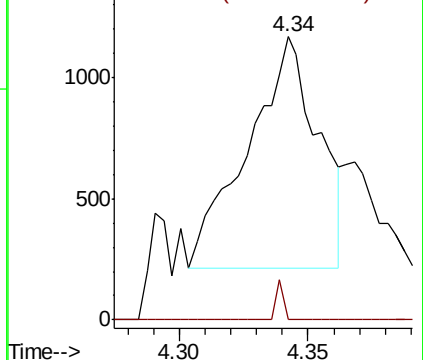
43 100

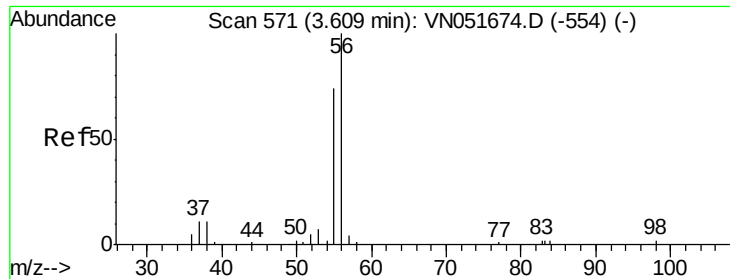
74 0.0 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 74.00 (73.70 to 74.70): VN





#13

Acrolein

Concen: 0.365 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.35 min

Lab File: VN051744.D

Acq: 9 Oct 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

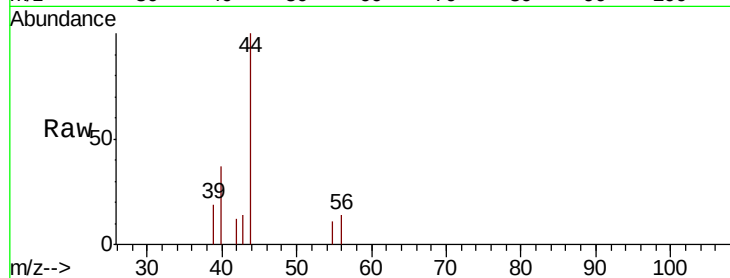
VN1009WBL01

Tot Ion: 56 Resp: 114

Ion Ratio Lower Upper

56 100

55 87.7 64.0 96.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.96

250

200

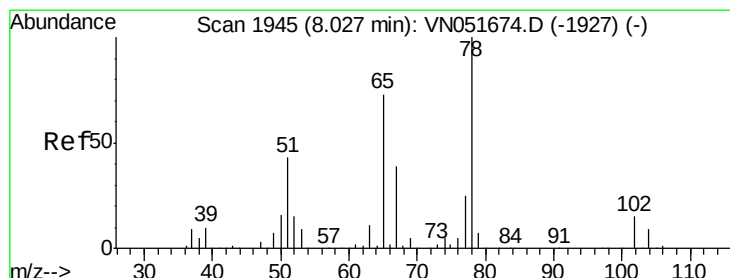
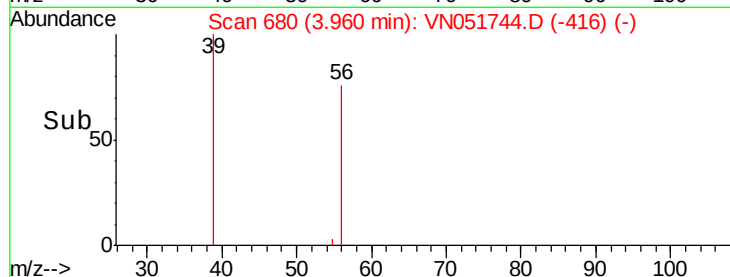
150

100

50

0

Time--> 3.94 3.95 3.96 3.96 3.96



#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051744.D

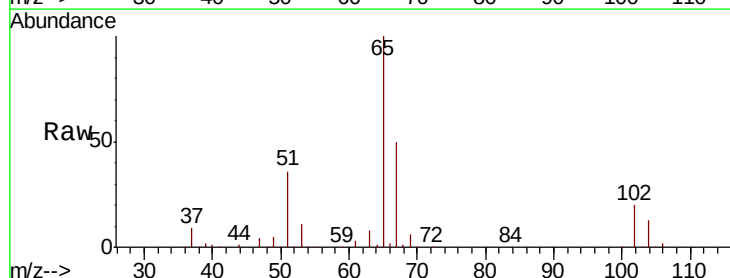
Acq: 9 Oct 2018 12:03

Tgt Ion: 65 Resp: 227232

Ion Ratio Lower Upper

65 100

67 51.7 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.03

100000

80000

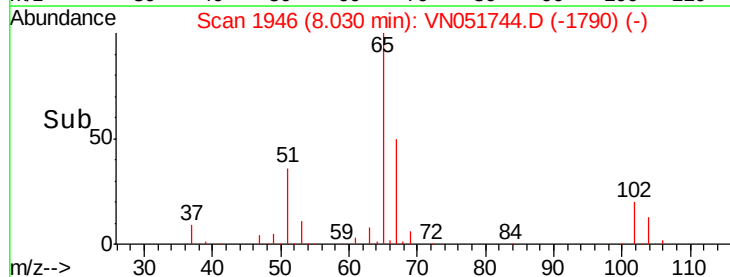
60000

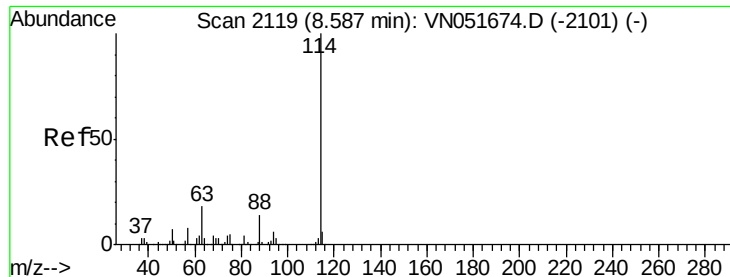
40000

20000

0

Time--> 7.95 8.00 8.05 8.10

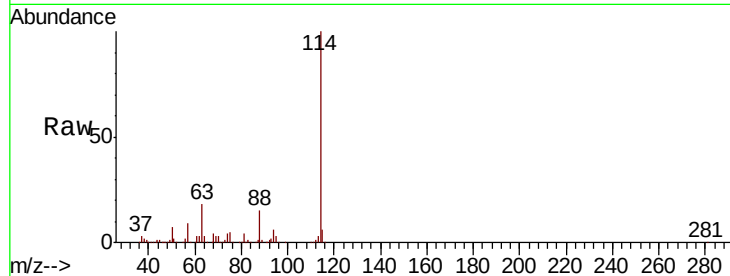




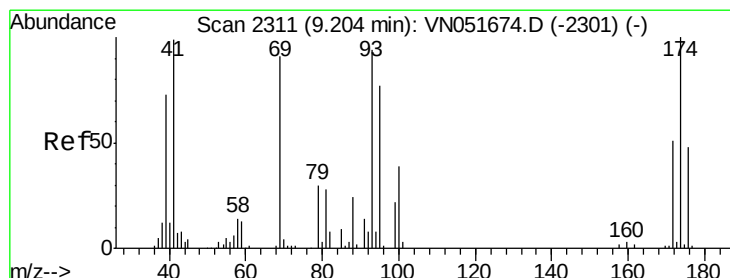
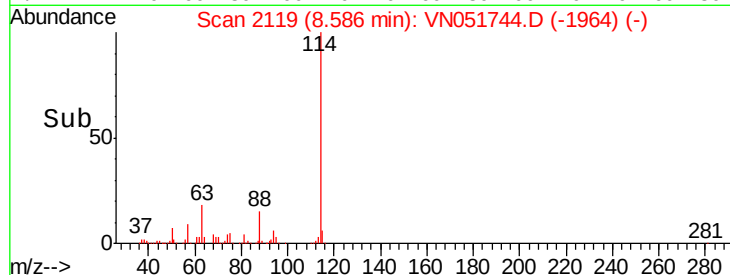
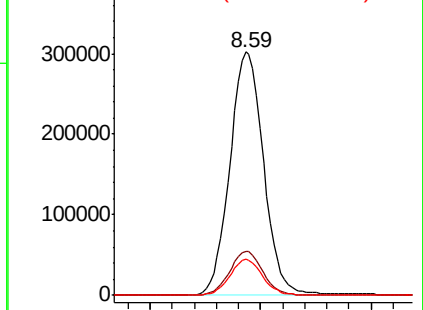
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051744.D
 Acq: 9 Oct 2018 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBL01

Tot Ion:114 Resp: 642501
 Ion Ratio Lower Upper
 114 100
 63 17.9 16.2 24.2
 88 14.4 12.2 18.4

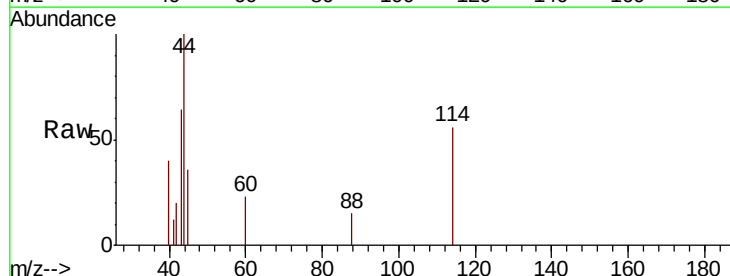


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VNO
 Ion 88.00 (87.70 to 88.70): VNO

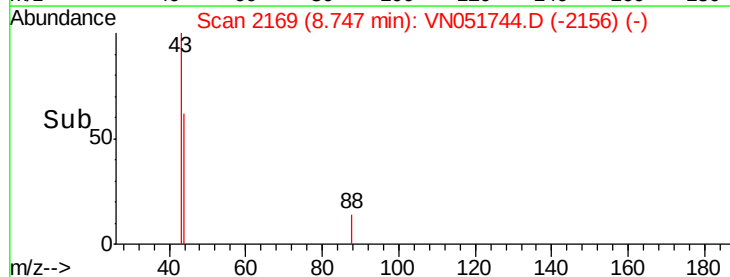
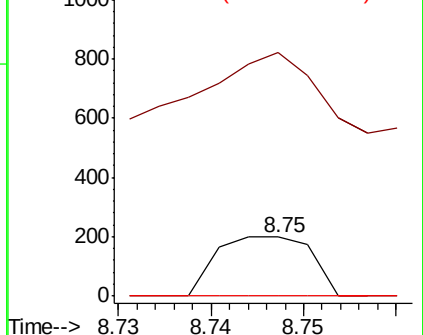


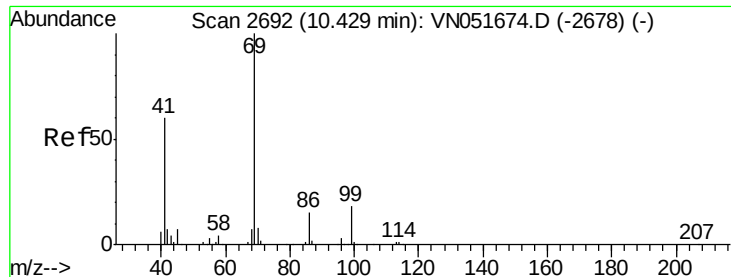
#45
 1,4-Dioxane
 Concen: 2.338 ug/l
 RT: 8.75 min Scan# 2169
 Delta R.T. -0.46 min
 Lab File: VN051744.D
 Acq: 9 Oct 2018 12:03

Tgt Ion: 88 Resp: 143
 Ion Ratio Lower Upper
 88 100
 43 230.1 26.2 39.2#
 58 0.0 65.6 98.4#



Abundance Ion 88.00 (87.70 to 88.70): VNO
 Ion 43.00 (42.70 to 43.70): VNO
 Ion 58.00 (57.70 to 58.70): VNO

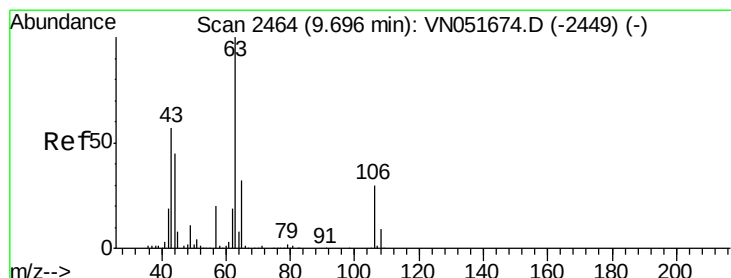
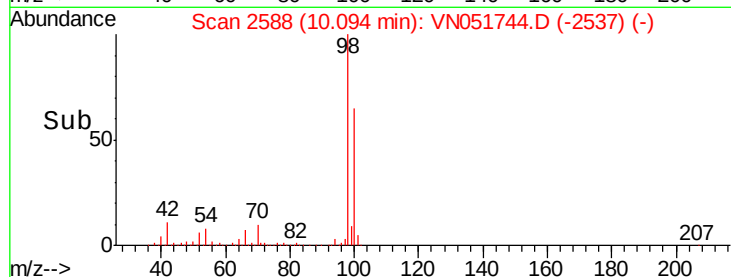
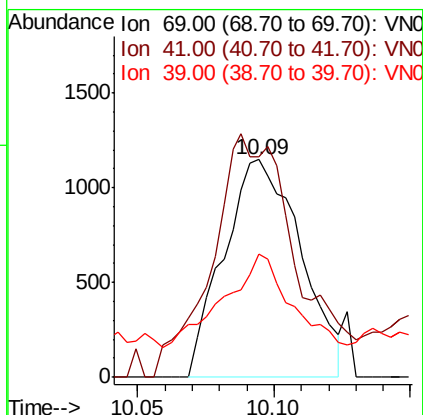
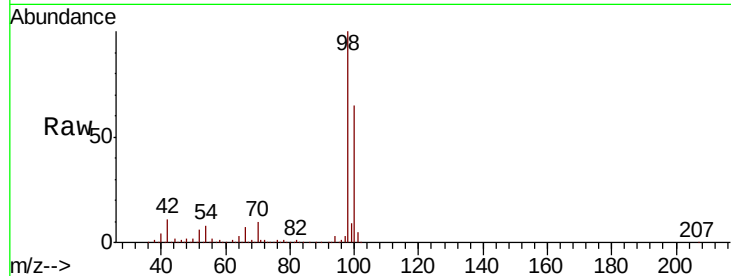




#51
Ethyl methacrylate
Concen: 0.287 ug/l
RT: 10.09 min Scan# 2588
Delta R.T. -0.33 min
Lab File: VN051744.D
Acq: 9 Oct 2018 12:03

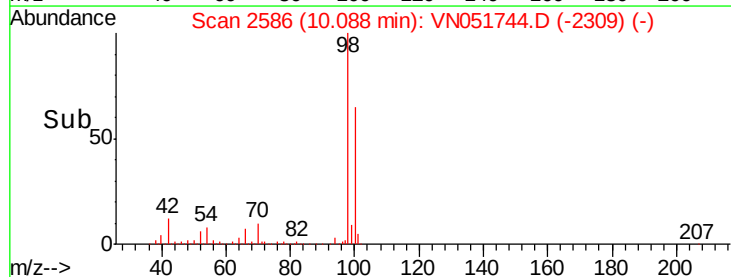
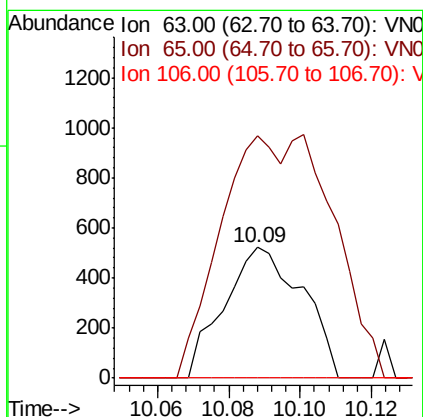
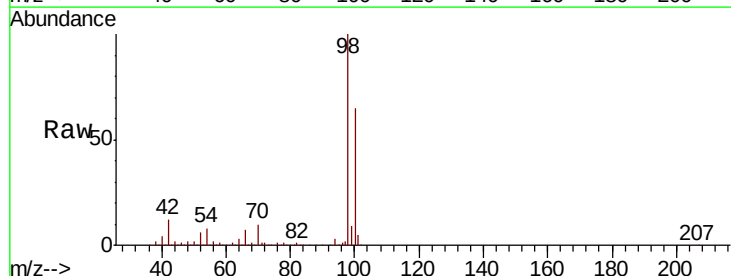
Instrument :
MSVOA_N
ClientSampled :
VN1009WBL01

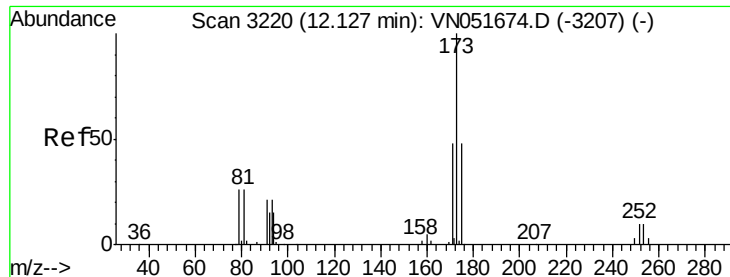
Tot Ion: 69 Resp: 2255
Ion Ratio Lower Upper
69 100
41 76.2 34.4 103.1
39 40.2 16.3 48.8



#55
2-Chloroethyl vinyl ether
Concen: 0.243 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.39 min
Lab File: VN051744.D
Acq: 9 Oct 2018 12:03

Tgt Ion: 63 Resp: 791
Ion Ratio Lower Upper
63 100
65 146.5 25.4 38.0#
106 0.0 21.2 31.8#





#56

Bromoform

Concen: 0.301 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN051744.D

Acq: 9 Oct 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBL01

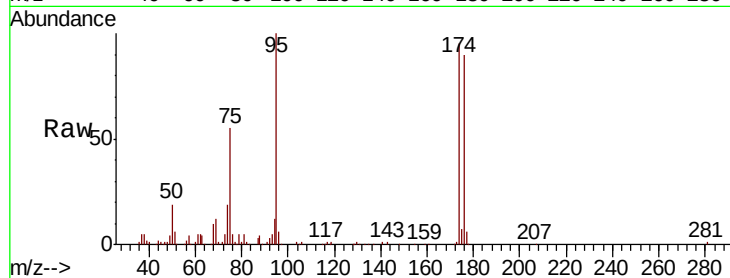
Tot Ion:173 Resp: 1750

Ion Ratio Lower Upper

173 100

175 761.4 35.8 53.8#

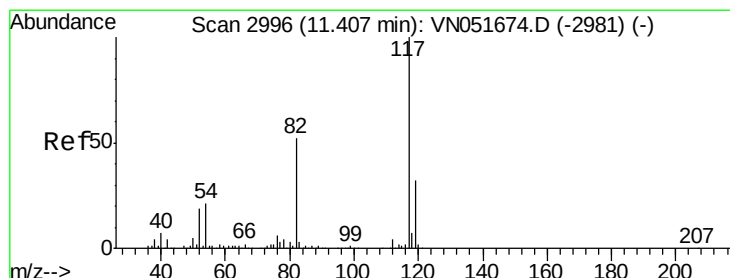
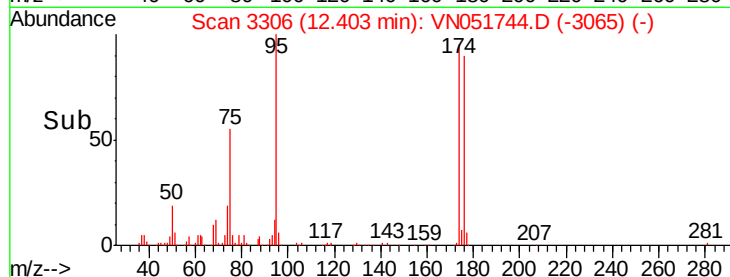
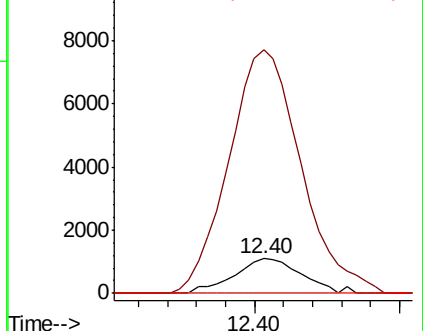
254 0.0 8.6 13.0#



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: VN051744.D

Acq: 9 Oct 2018 12:03

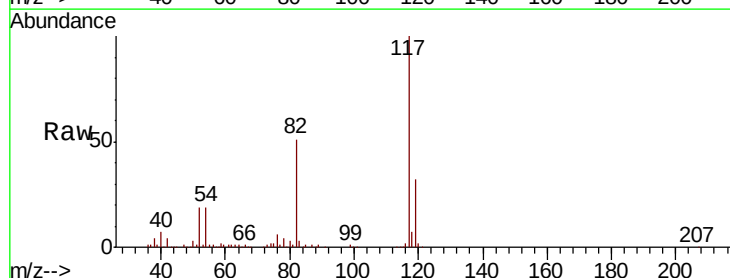
Tgt Ion:117 Resp: 508775

Ion Ratio Lower Upper

117 100

82 51.4 44.1 66.1

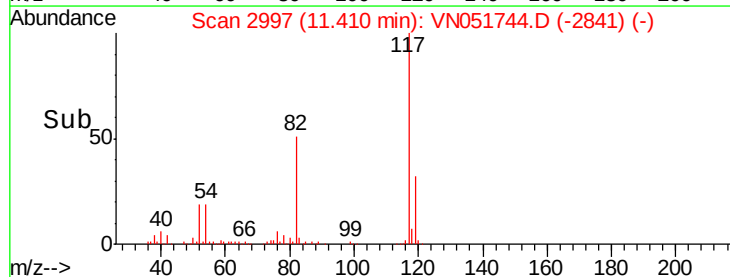
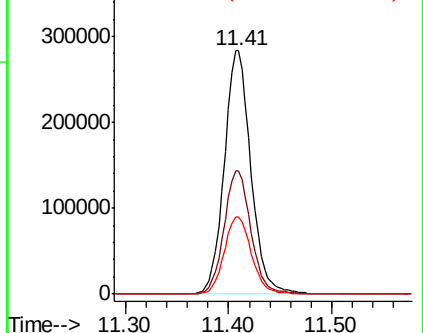
119 32.6 25.8 38.8

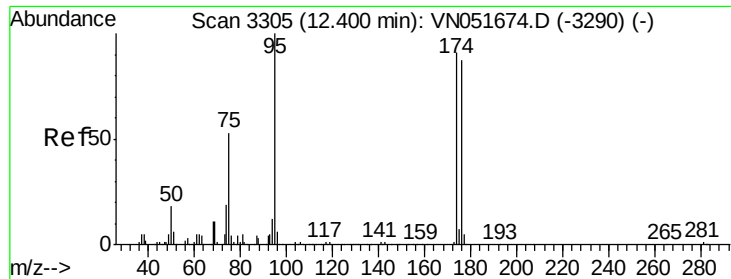


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

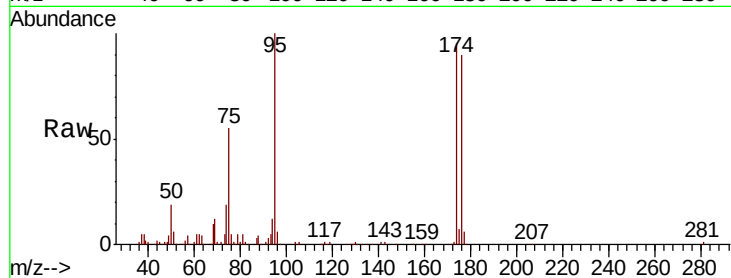




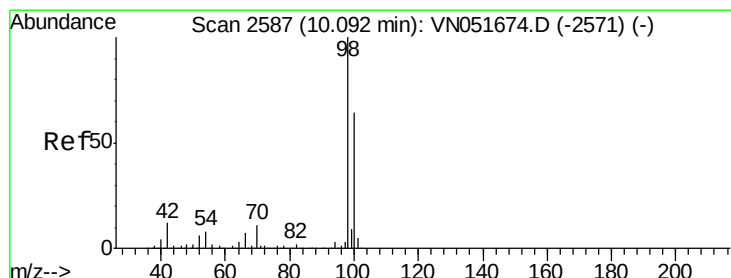
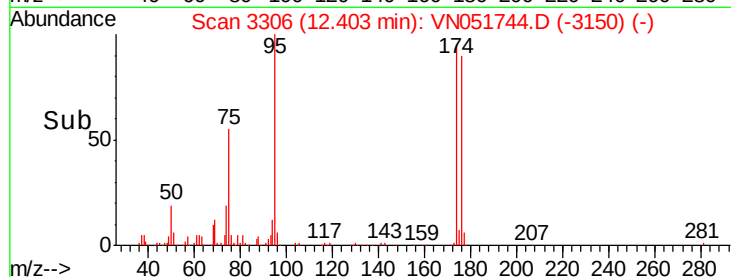
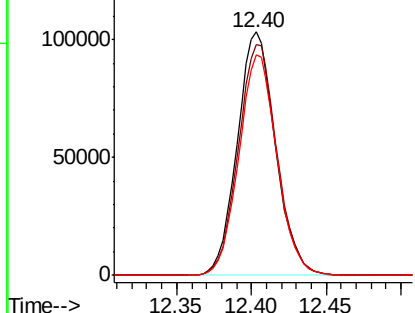
#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051744.D
Acq: 9 Oct 2018 12:03

Instrument :
MSVOA_N
ClientSampled :
VN1009WBL01

Tot Ion: 95 Resp: 183337
Ion Ratio Lower Upper
95 100
174 95.9 73.5 110.3
176 90.4 70.2 105.2

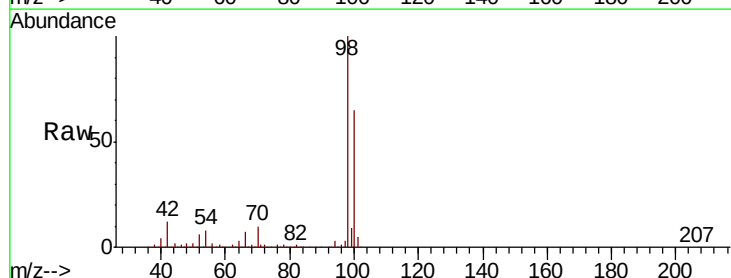


Abundance Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

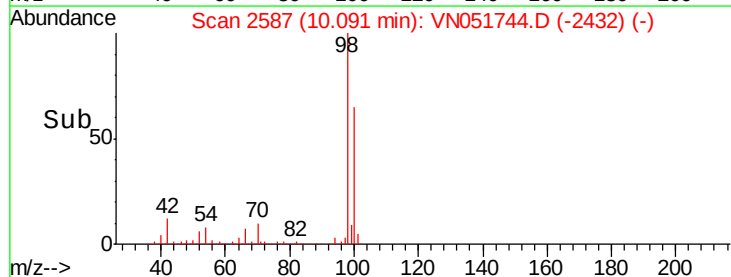
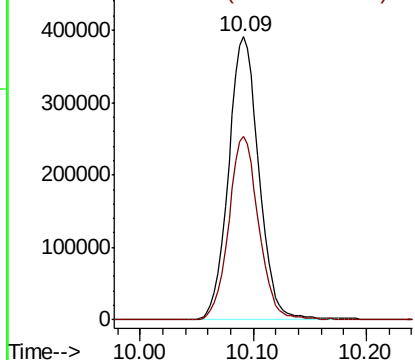


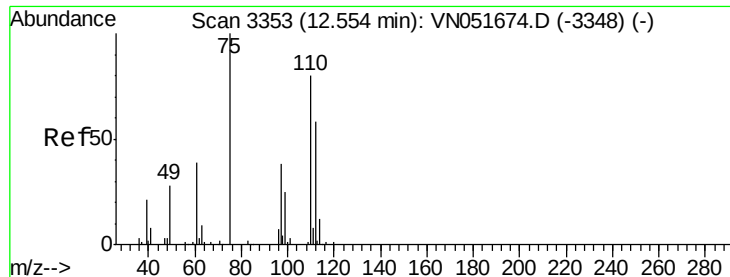
#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051744.D
Acq: 9 Oct 2018 12:03

Tgt Ion: 98 Resp: 729362
Ion Ratio Lower Upper
98 100
100 63.8 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): V





#72

1,2,3-Trichloropropane

Concen: 19.289 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051744.D

Acq: 9 Oct 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

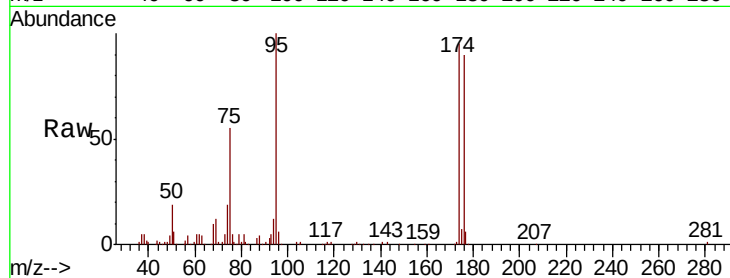
VN1009WBL01

Tot Ion: 75 Resp: 98755

Ion Ratio Lower Upper

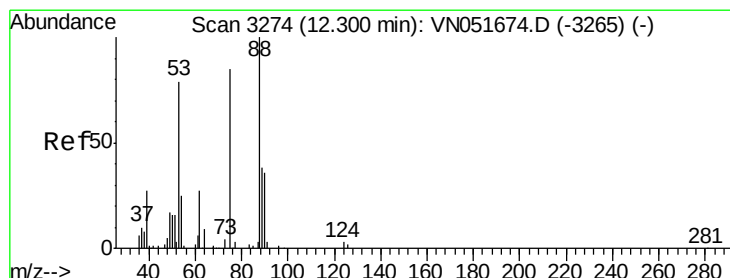
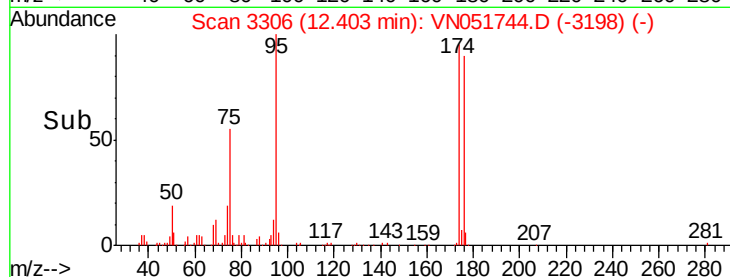
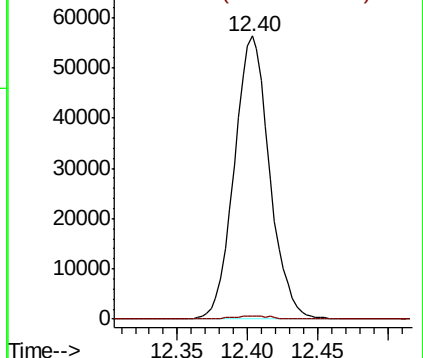
75 100

77 0.8 0.0 400.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

t-1,4-Dichloro-2-butene

Concen: 51.736 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051744.D

Acq: 9 Oct 2018 12:03

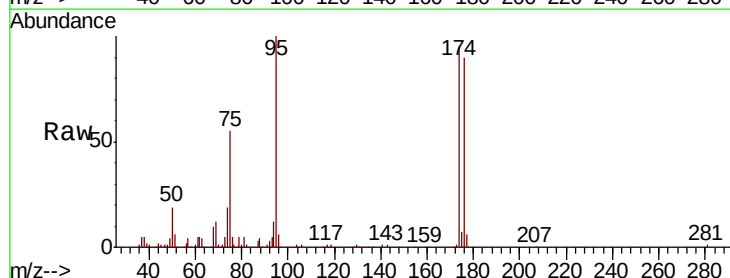
Tgt Ion: 75 Resp: 98755

Ion Ratio Lower Upper

75 100

53 0.0 46.3 138.9#

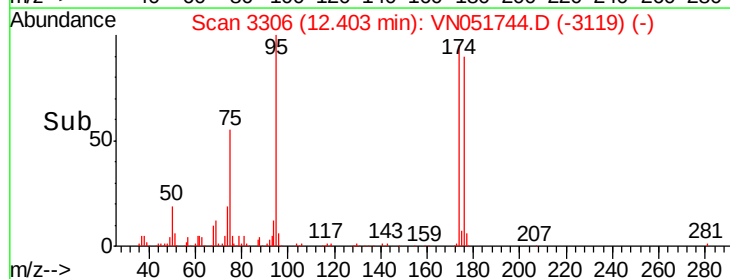
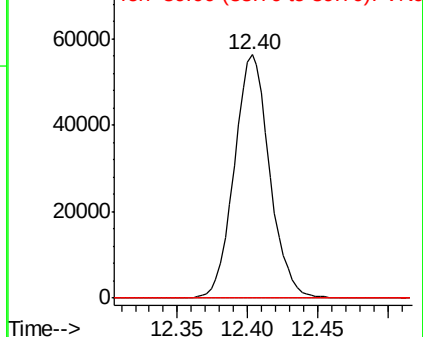
89 0.3 24.6 73.8#

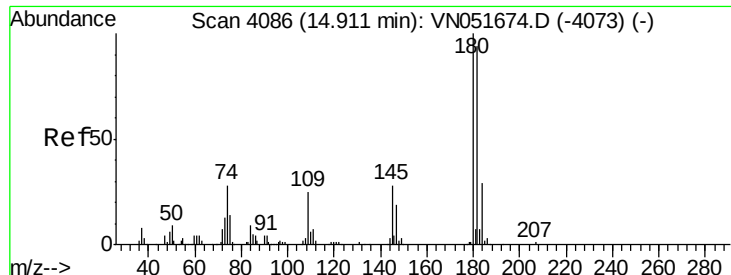


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0





#89

1,2,4-Trichlorobenzene

Concen: 6.855 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN051744.D

Acq: 9 Oct 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBL01

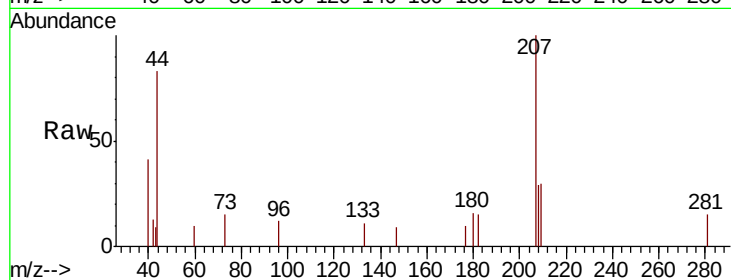
Tot Ion:180 Resp: 191

Ion Ratio Lower Upper

180 100

182 128.8 77.7 116.5#

145 51.8 23.4 35.2#



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

