

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056686.D
 Acq On : 12 Jul 2019 13:39
 Operator : JC/SP
 Sample : VN0713WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBL01

Quant Time: Jul 13 00:09:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	52219	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	282487	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	227448	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	108357	30.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.10%
60) 4-Bromofluorobenzene	12.40	95	82461	23.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	78.97%
63) Toluene-d8	10.09	98	324283	31.20	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.00%

Target Compounds

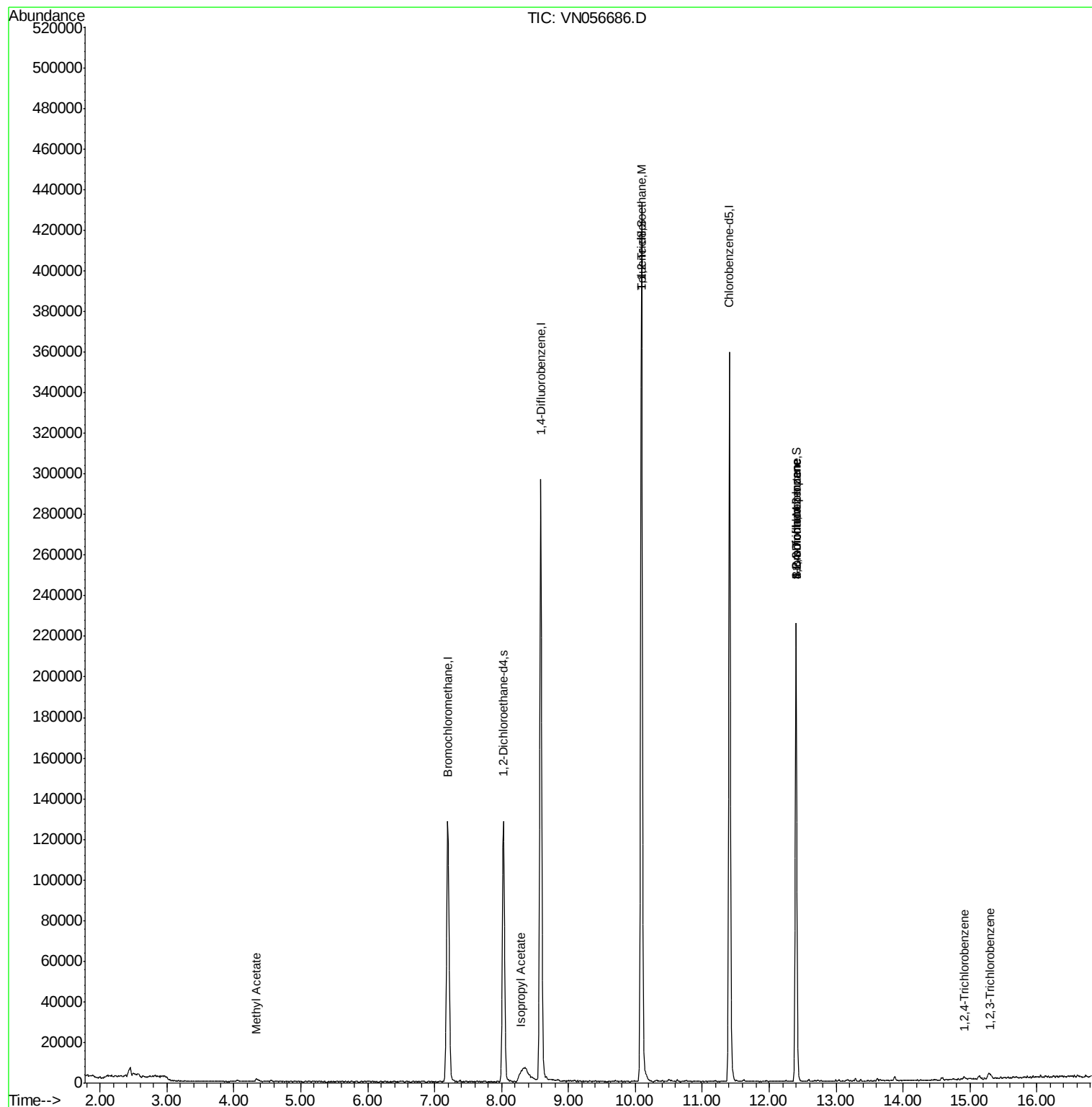
					Ovalue
12) Methyl Acetate	4.34	43	1937	0.470 ug/l	99
44) Isopropyl Acetate	8.28	43	3221	0.440 ug/l #	47
50) 1,1,2-Trichloroethane	10.10	97	9888	2.877 ug/l #	1
56) Bromoform	12.40	173	517	0.201 ug/l #	1
72) 1,2,3-Trichloropropane	12.40	75	37116	9.603 ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	37116	28.888 ug/l #	11
89) 1,2,4-Trichlorobenzene	14.91	180	826	0.252 ug/l #	82
92) 1,2,3-Trichlorobenzene	15.32	180	1104	0.321 ug/l #	75

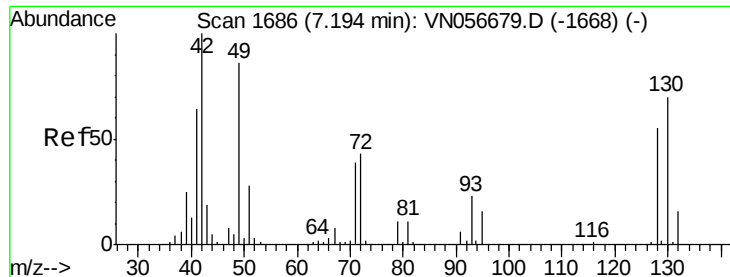
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 13 00:09:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 12 23:58:13 2019
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: VN056686.D

Acq: 12 Jul 2019 13:39

Instrument :

MSVOA_N

ClientSampled :

VN0713WBL01

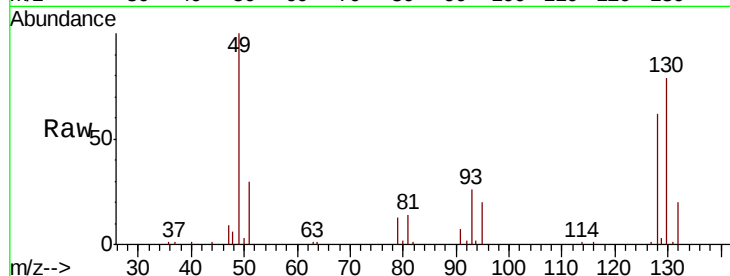
Tot Ion:128 Resp: 52219

Ion Ratio Lower Upper

128 100

49 159.9 0.0 390.5

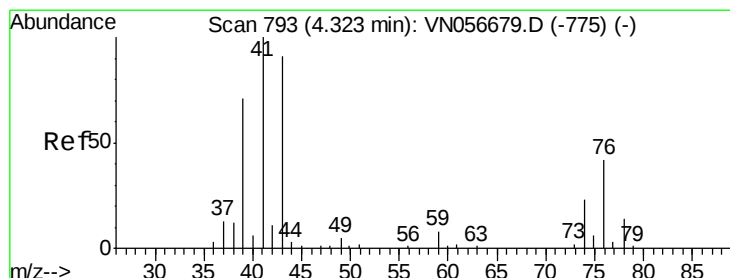
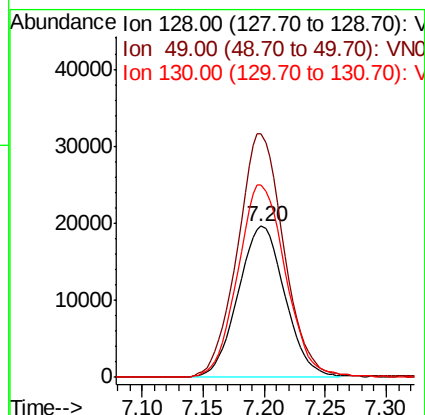
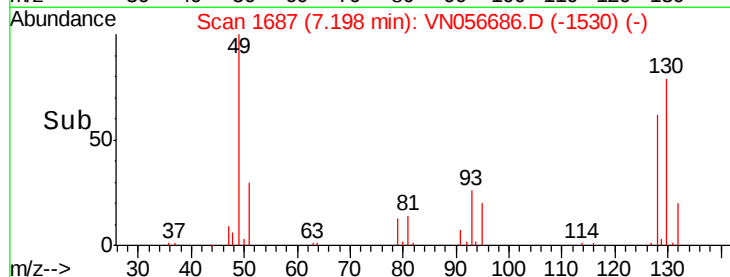
130 130.0 0.0 316.5



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: 0.470 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN056686.D

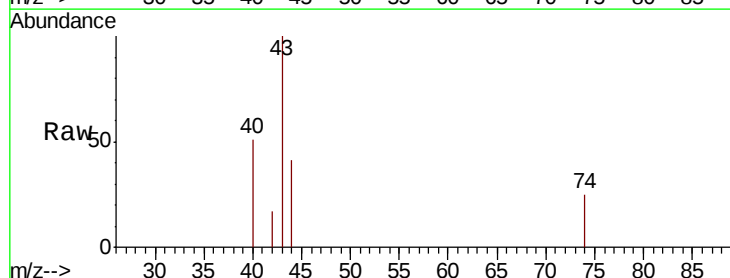
Acq: 12 Jul 2019 13:39

Tgt Ion: 43 Resp: 1937

Ion Ratio Lower Upper

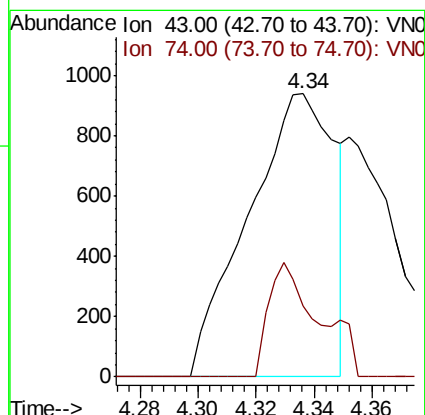
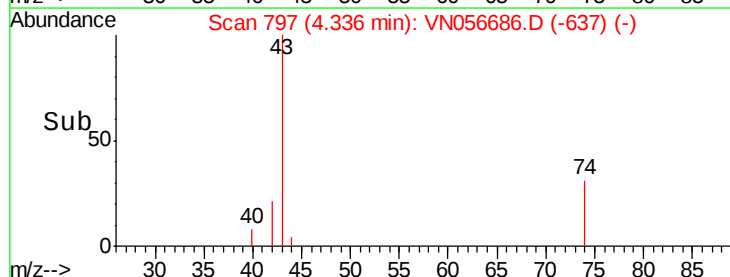
43 100

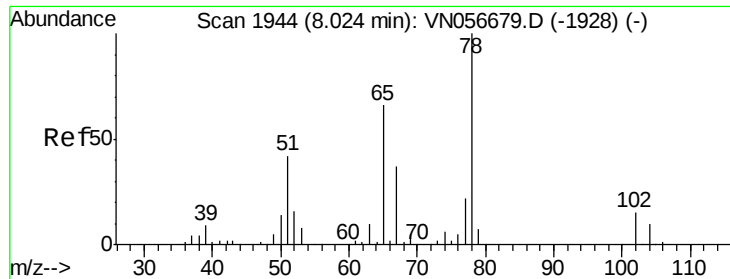
74 25.7 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 30.634 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056686.D

Acq: 12 Jul 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

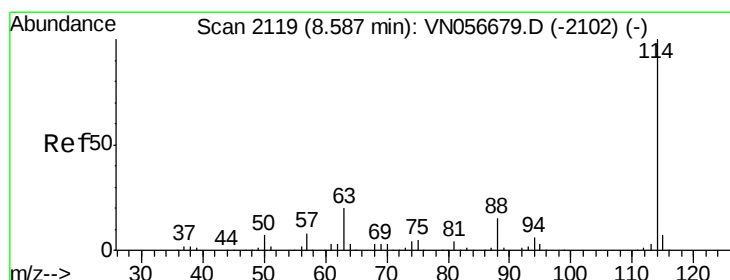
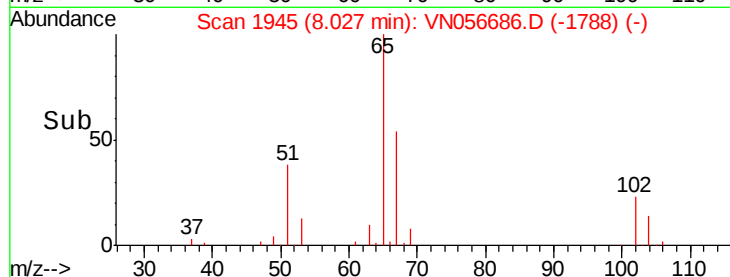
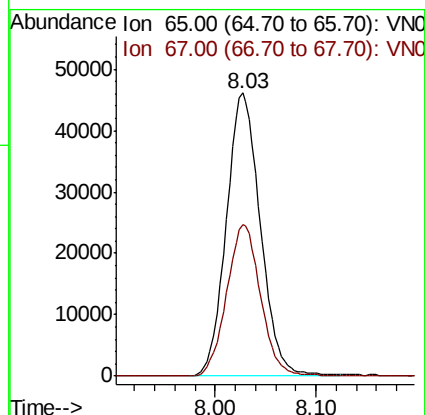
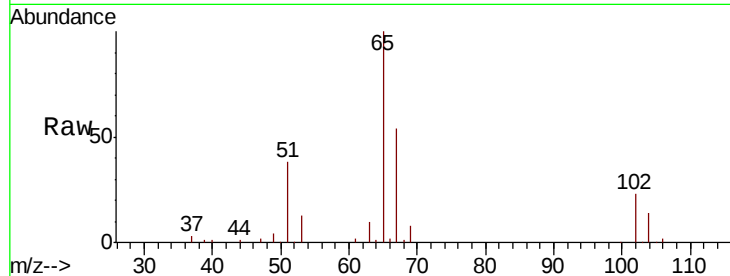
VN0713WBL01

Tot Ion: 65 Resp: 108357

Ion Ratio Lower Upper

65 100

67 53.2 43.4 65.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056686.D

Acq: 12 Jul 2019 13:39

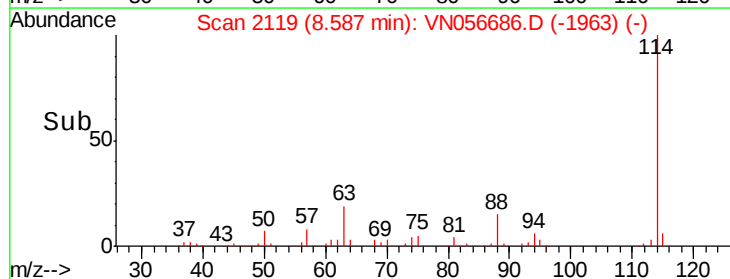
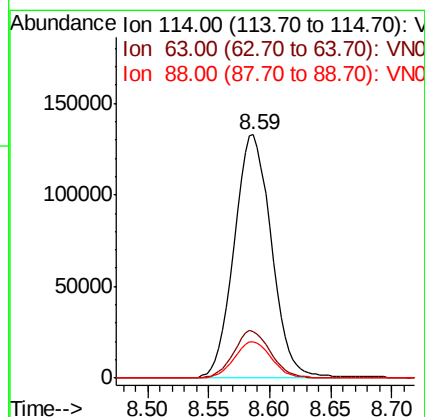
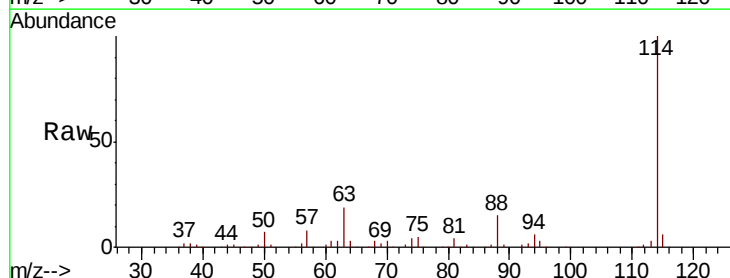
Tgt Ion: 114 Resp: 282487

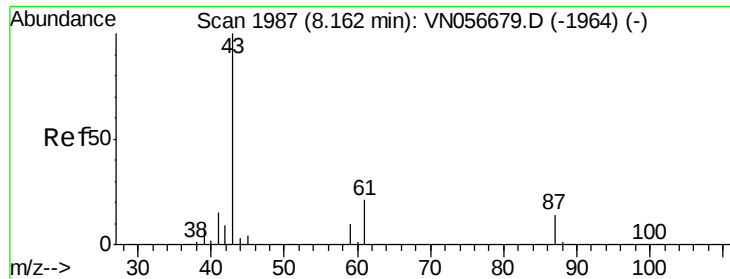
Ion Ratio Lower Upper

114 100

63 19.2 16.2 24.2

88 15.0 12.3 18.5





#44

Isopropyl Acetate

Concen: 0.440 ug/l

RT: 8.28 min Scan# 2023

Delta R.T. 0.12 min

Lab File: VN056686.D

Acq: 12 Jul 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

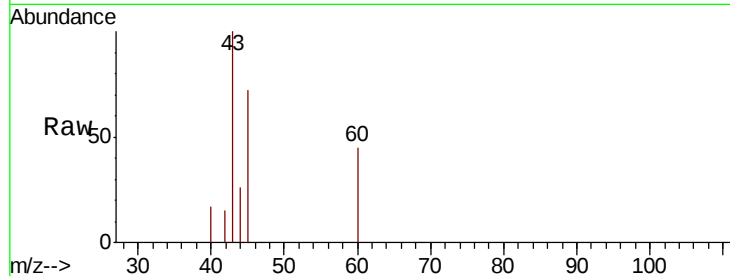
VN0713WBL01

Tot Ion: 43 Resp: 3221

Ion Ratio Lower Upper

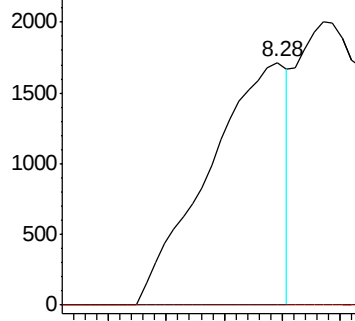
43 100

61 0.0 22.6 33.8#

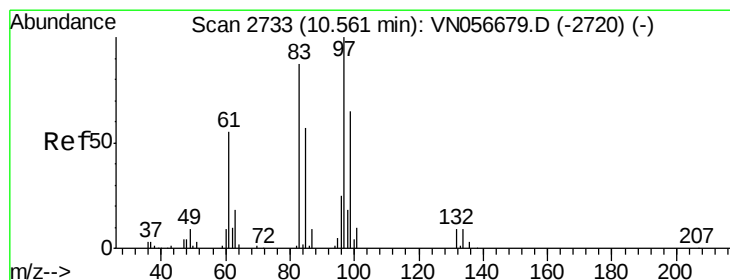
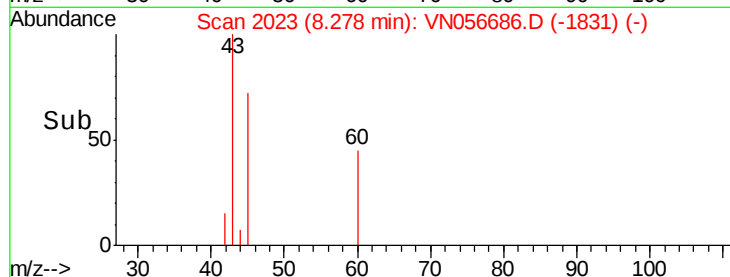


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



Time-->



#50

1,1,2-Trichloroethane

Concen: 2.877 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.46 min

Lab File: VN056686.D

Acq: 12 Jul 2019 13:39

Tgt Ion: 97 Resp: 9888

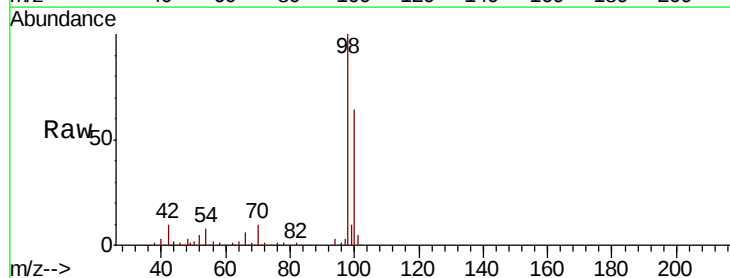
Ion Ratio Lower Upper

97 100

83 0.0 69.2 103.8#

85 0.0 45.3 67.9#

99 293.5 51.6 77.4#

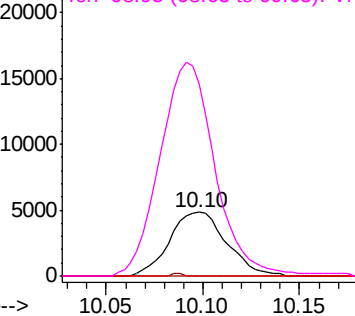


Abundance Ion 97.00 (96.70 to 97.70): VN0

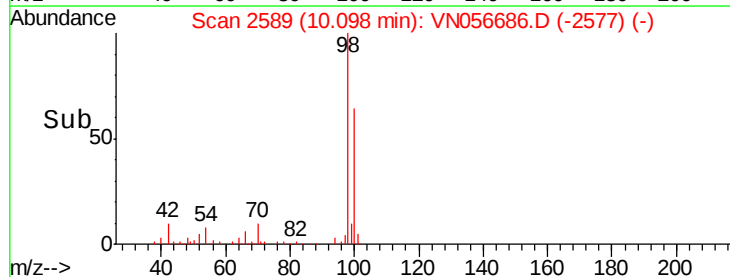
Ion 82.95 (82.65 to 83.65): VN0

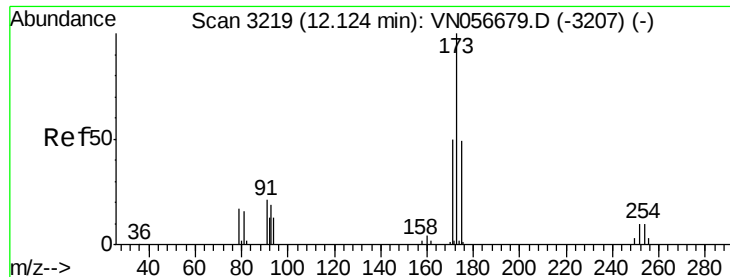
Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0



Time-->





#56

Bromoform

Concen: 0.201 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN056686.D

Acq: 12 Jul 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBL01

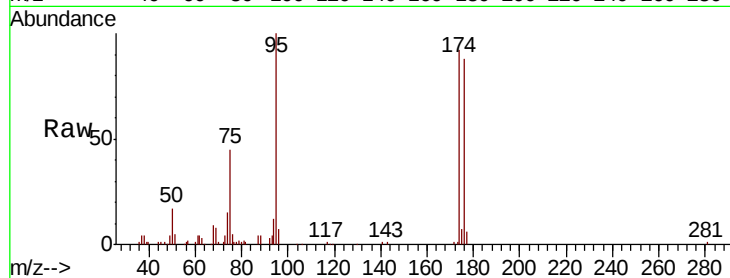
Tot Ion:173 Resp: 517

Ion Ratio Lower Upper

173 100

175 995.9 39.7 59.5#

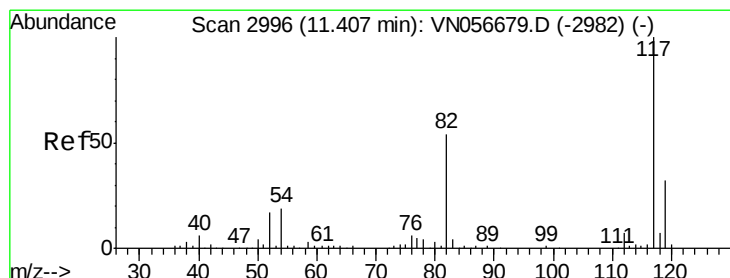
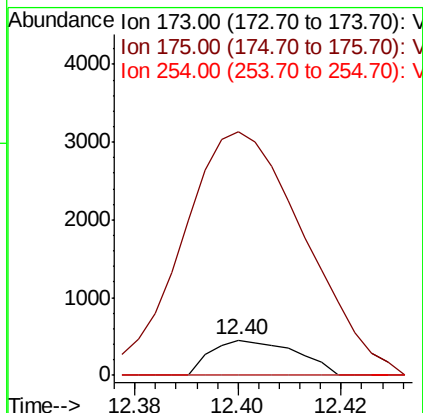
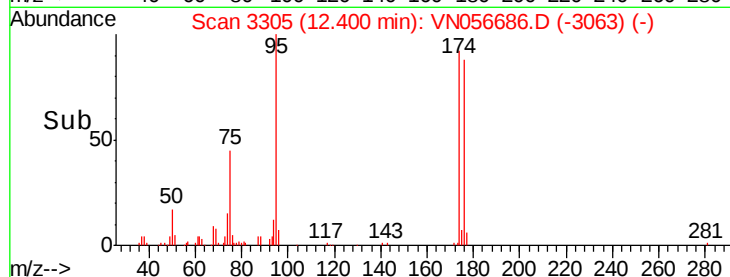
254 0.0 7.8 11.8#



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: VN056686.D

Acq: 12 Jul 2019 13:39

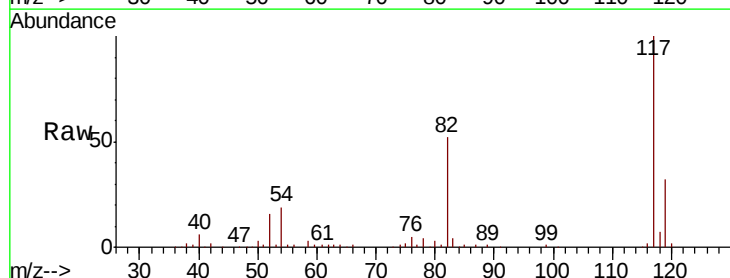
Tgt Ion:117 Resp: 227448

Ion Ratio Lower Upper

117 100

82 52.6 43.0 64.4

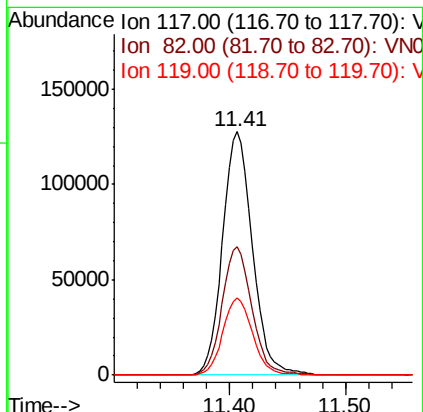
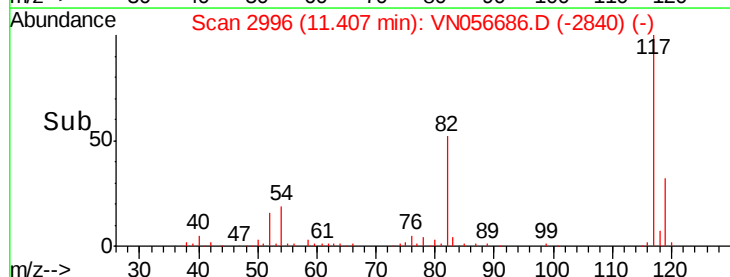
119 31.7 26.0 39.0

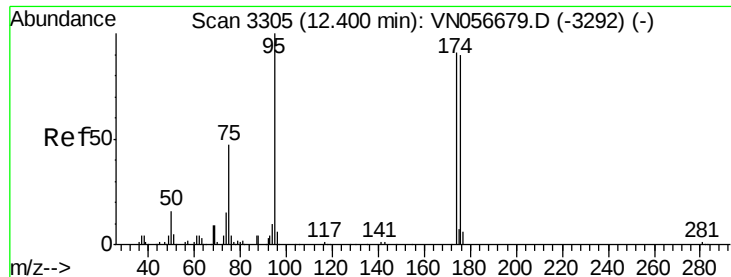


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 23.689 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056686.D

Acq: 12 Jul 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBL01

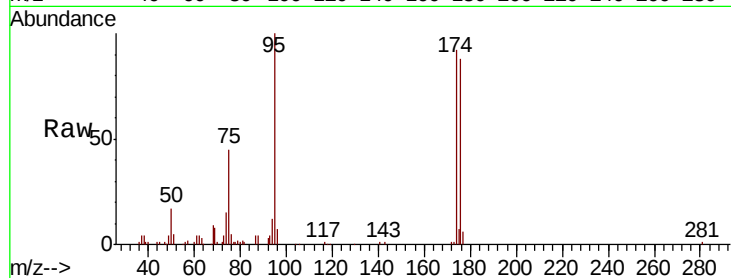
Tot Ion: 95 Resp: 82461

Ion Ratio Lower Upper

95 100

174 90.7 72.6 108.8

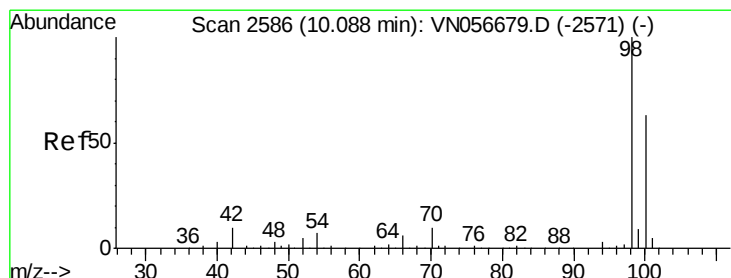
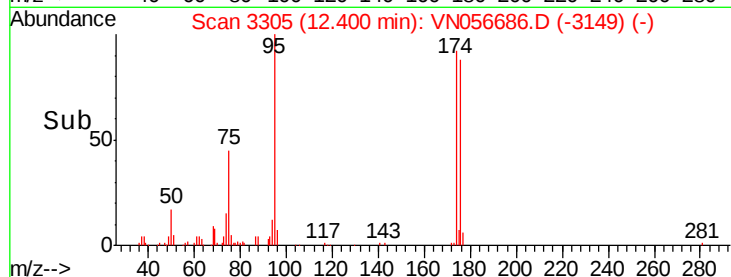
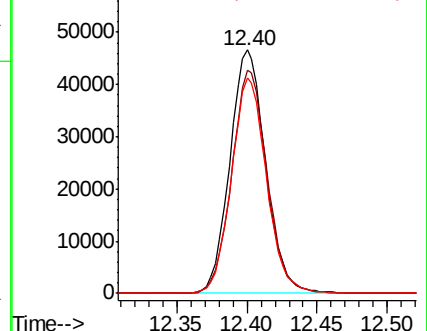
176 87.0 71.0 106.6



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: 31.204 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056686.D

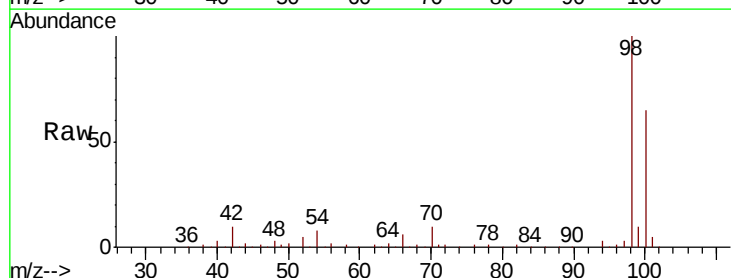
Acq: 12 Jul 2019 13:39

Tgt Ion: 98 Resp: 324283

Ion Ratio Lower Upper

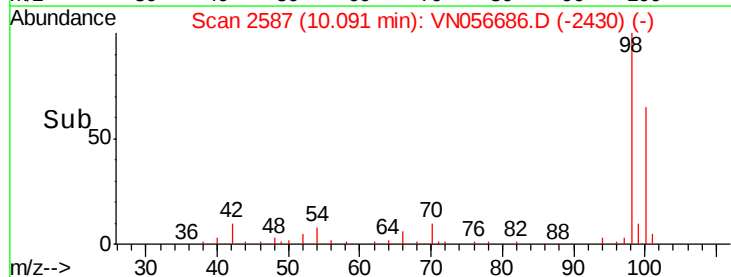
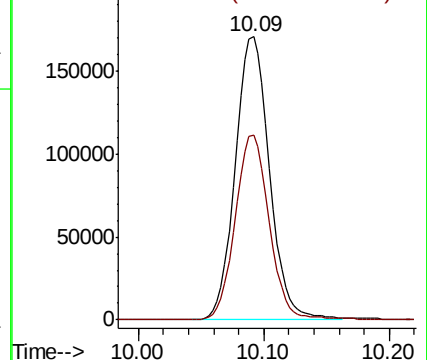
98 100

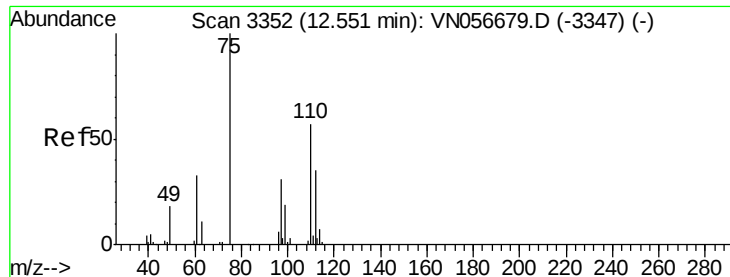
100 65.2 51.1 76.7



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: 9.603 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056686.D

Acq: 12 Jul 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

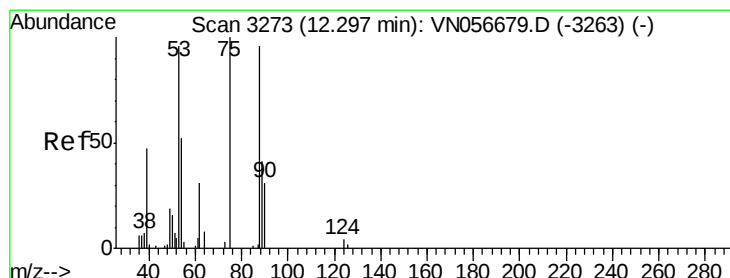
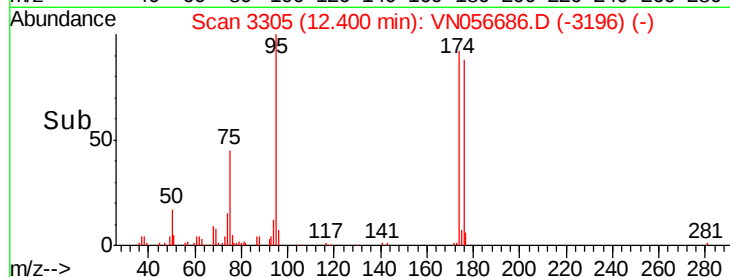
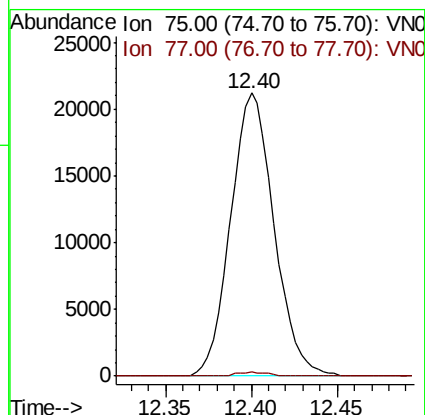
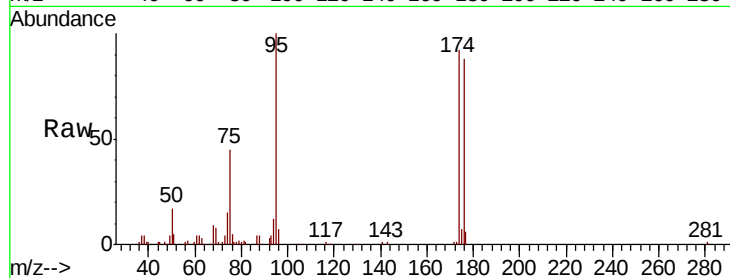
VN0713WBL01

Tot Ion: 75 Resp: 37116

Ion Ratio Lower Upper

75 100

77 1.0 0.0 352.2



#77

t-1,4-Dichloro-2-butene

Concen: 28.888 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056686.D

Acq: 12 Jul 2019 13:39

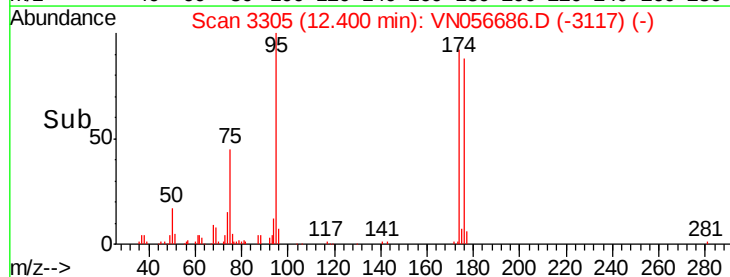
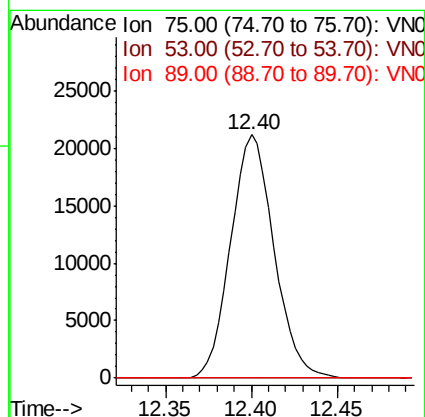
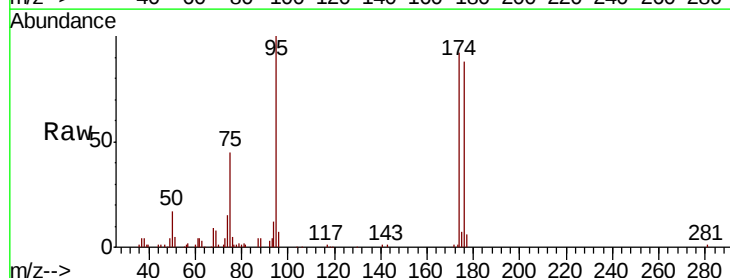
Tgt Ion: 75 Resp: 37116

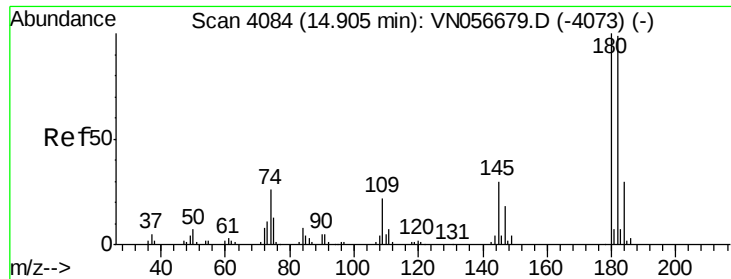
Ion Ratio Lower Upper

75 100

53 0.0 48.6 145.8#

89 0.0 21.3 64.0#

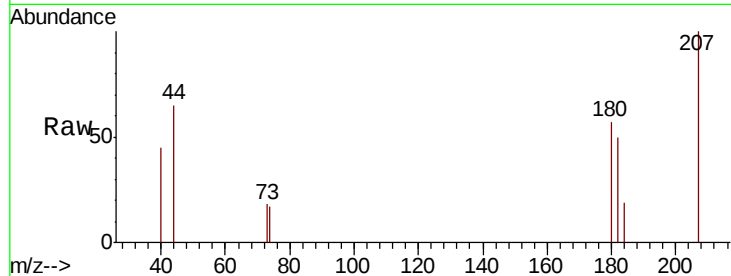




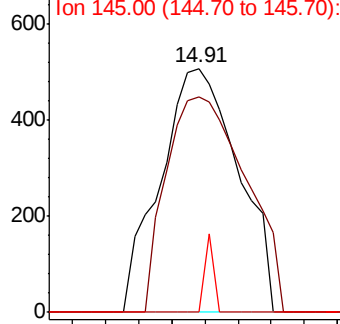
#89
 1,2,4-Trichlorobenzene
 Concen: 0.252 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056686.D
 Acq: 12 Jul 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBL01

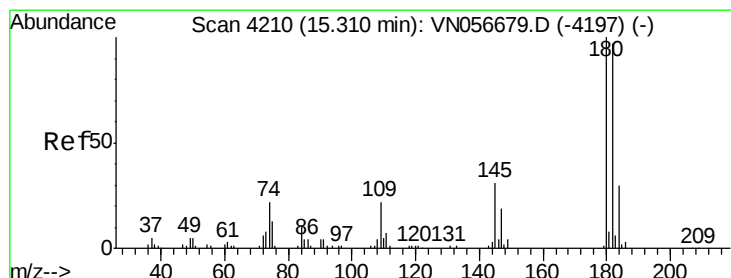
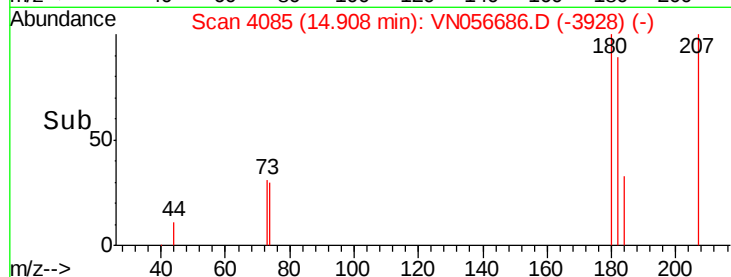
Tot Ion:180 Resp: 826
 Ion Ratio Lower Upper
 180 100
 182 90.7 78.2 117.4
 145 0.0 23.2 34.8#



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

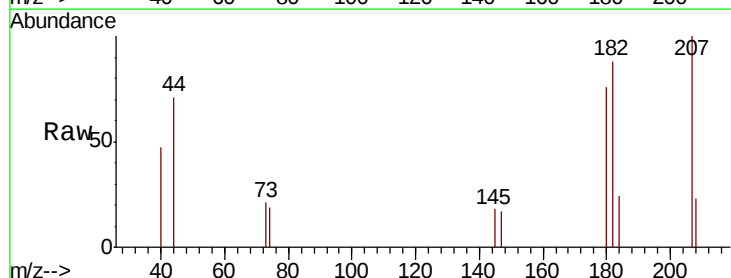


Time-->

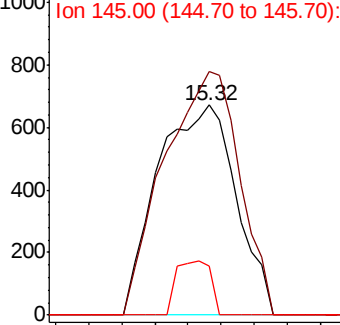


#92
 1,2,3-Trichlorobenzene
 Concen: 0.321 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.01 min
 Lab File: VN056686.D
 Acq: 12 Jul 2019 13:39

Tgt Ion:180 Resp: 1104
 Ion Ratio Lower Upper
 180 100
 182 111.2 0.0 192.4
 145 0.0 0.0 60.4



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



Time-->

