

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011019\
 Data File : VN053333.D
 Acq On : 10 Jan 2019 10:04
 Operator : MD\SY
 Sample : VN0110WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBL01

Quant Time: Jan 11 05:41:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	160569	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	919716	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	802994	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	310950	30.48	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.60%
60) 4-Bromofluorobenzene	12.40	95	352359	28.68	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.60%
63) Toluene-d8	10.09	98	1076606	29.76	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.20%

Target Compounds

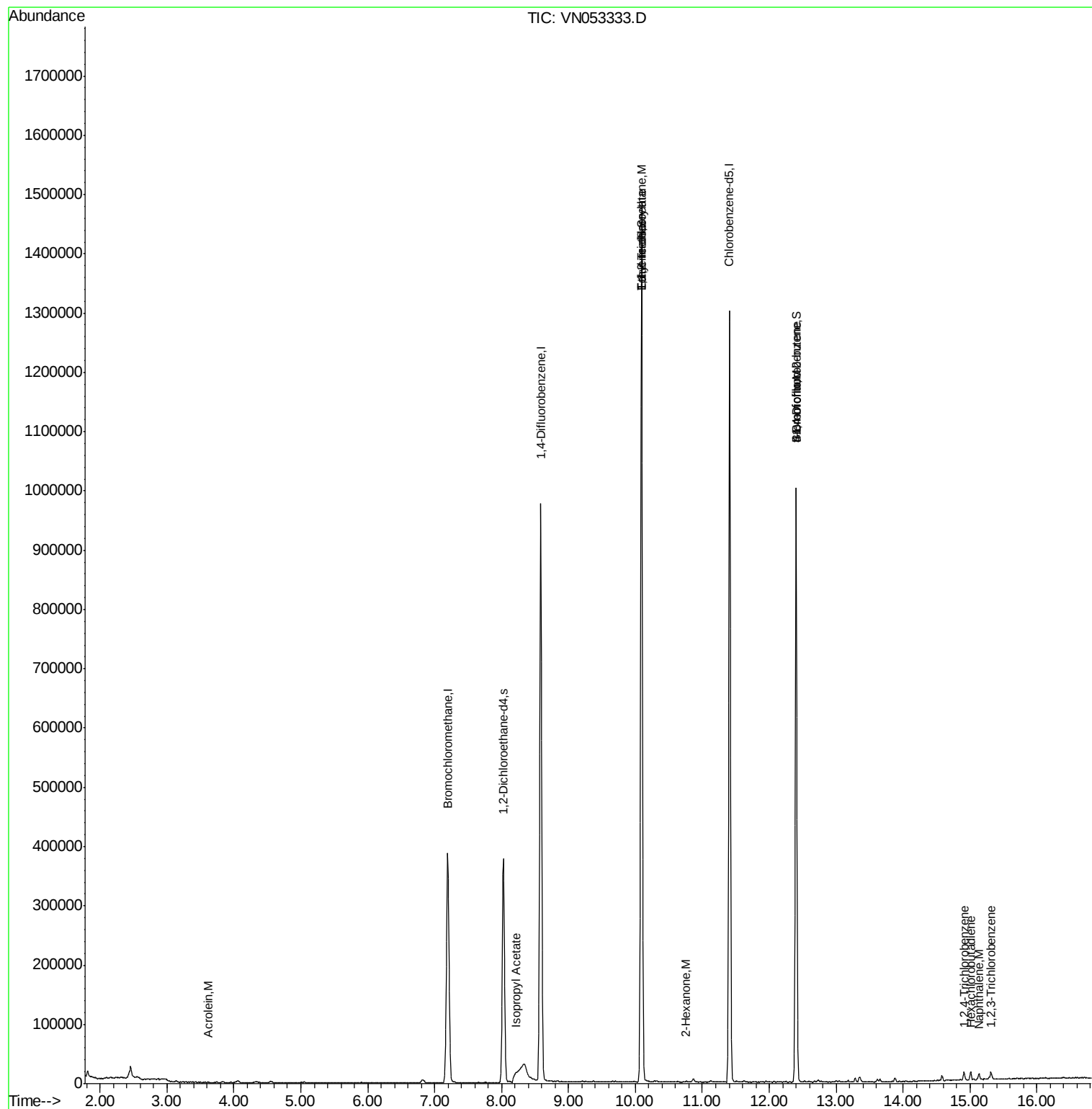
					Qvalue	
13) Acrolein	3.62	56	438	0.503	ug/l #	58
44) Isopropyl Acetate	8.22	43	15031	1.040	ug/l #	57
50) 1,1,2-Trichloroethane	10.10	97	31853	3.593	ug/l #	1
51) Ethyl methacrylate	10.09	69	3087	0.267	ug/l	77
56) Bromoform	12.40	173	2492	0.366	ug/l #	1
59) 2-Hexanone	10.76	43	1523	0.288	ug/l #	73
77) t-1,4-Dichloro-2-butene	12.40	75	163417	54.787	ug/l #	11
89) 1,2,4-Trichlorobenzene	14.91	180	4923	0.542	ug/l	93
90) Hexachlorobutadiene	15.01	225	2772	0.504	ug/l	83
91) Naphthalene	15.14	128	10188	0.528	ug/l	97
92) 1,2,3-Trichlorobenzene	15.32	180	5205	0.642	ug/l	97

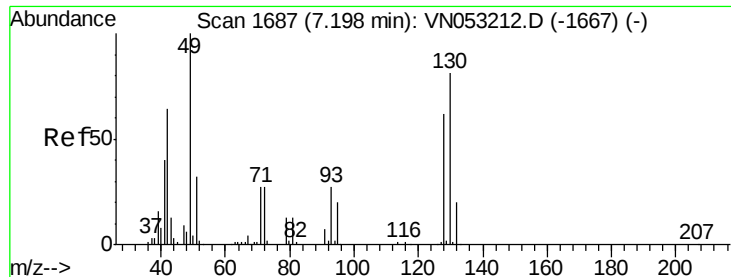
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN011019\
Data File : VN053333.D
Acq On : 10 Jan 2019 10:04
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Sample : VN0110WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN0110WBL01

Quant Time: Jan 11 05:41:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N122818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 28 10:33:50 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053333.D

Acq: 10 Jan 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VN0110WBL01

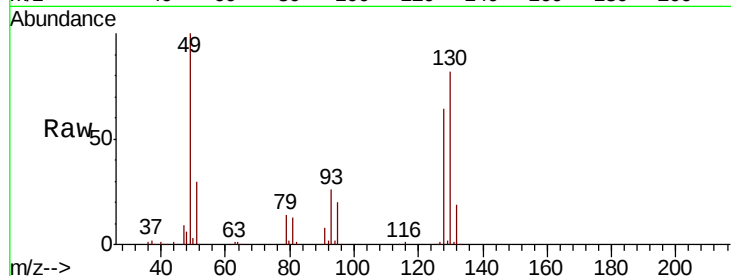
Tgt Ion:128 Resp: 160569

Ion Ratio Lower Upper

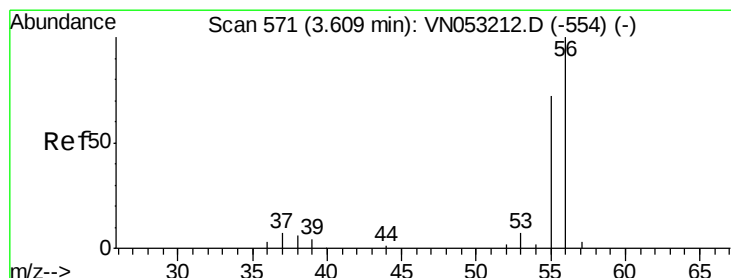
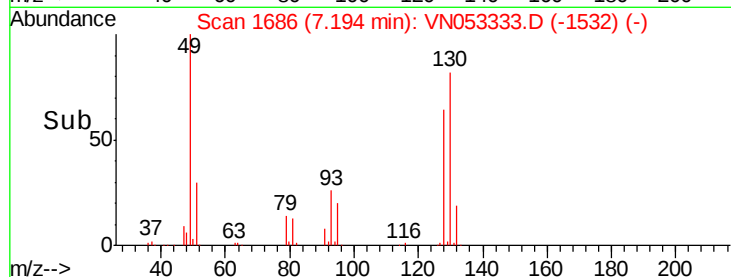
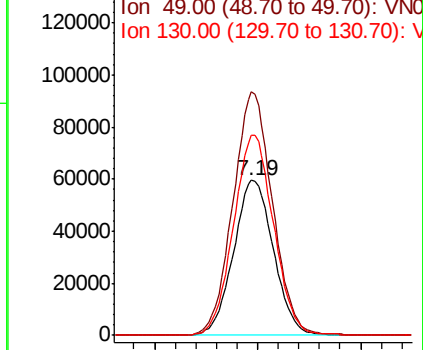
128 100

49 155.4 0.0 431.8

130 129.3 0.0 317.0



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



#13

Acrolein

Concen: 0.503 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN053333.D

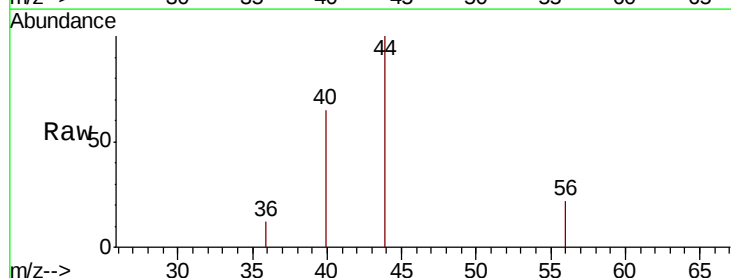
Acq: 10 Jan 2019 10:04

Tgt Ion: 56 Resp: 438

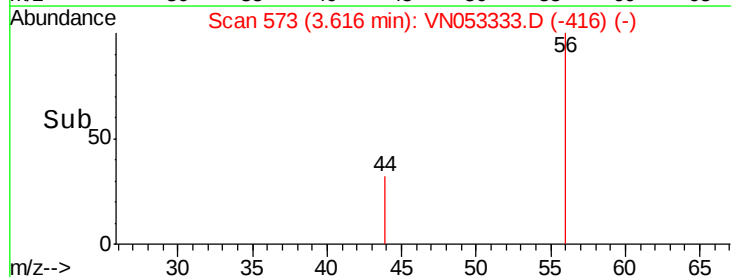
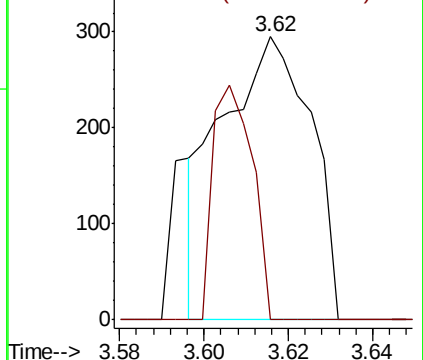
Ion Ratio Lower Upper

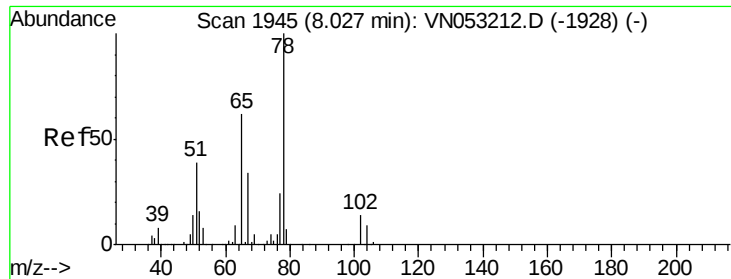
56 100

55 36.1 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN
Ion 55.00 (54.70 to 55.70): VN





#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053333.D

Acq: 10 Jan 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

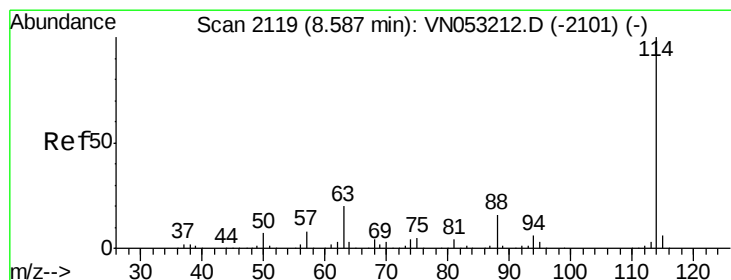
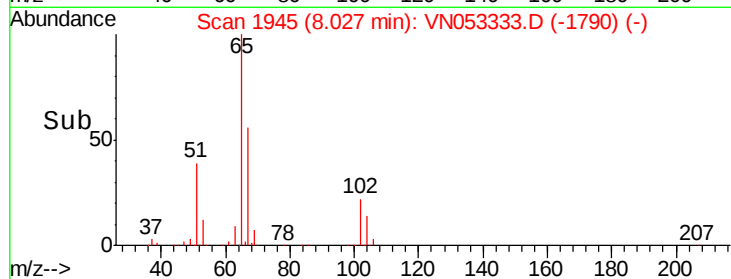
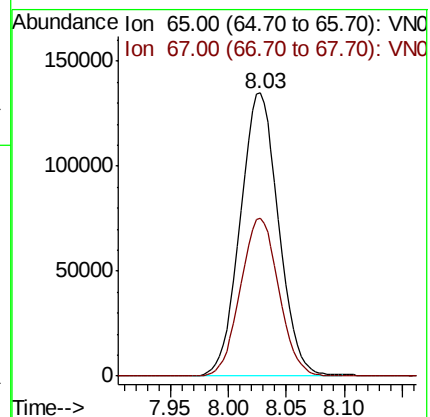
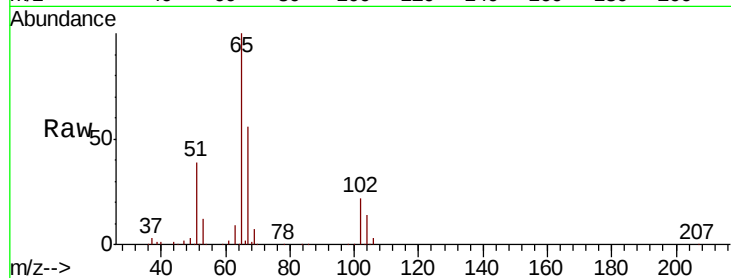
VN0110WBL01

Tgt Ion: 65 Resp: 310950

Ion Ratio Lower Upper

65 100

67 55.7 44.6 66.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN053333.D

Acq: 10 Jan 2019 10:04

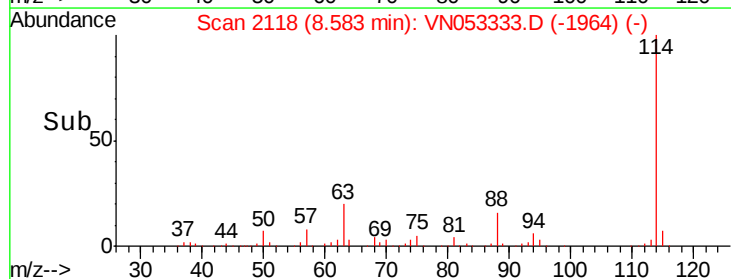
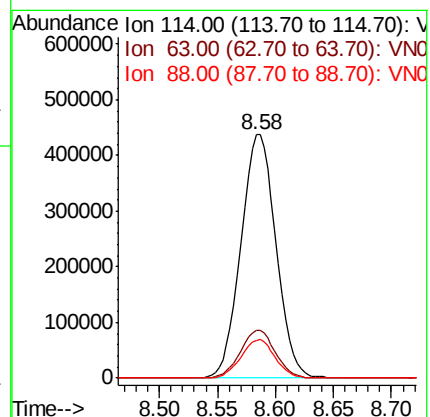
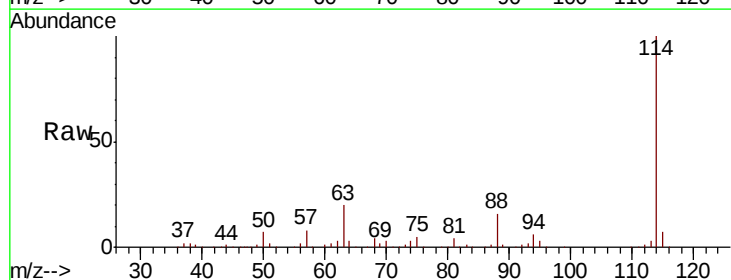
Tgt Ion: 114 Resp: 919716

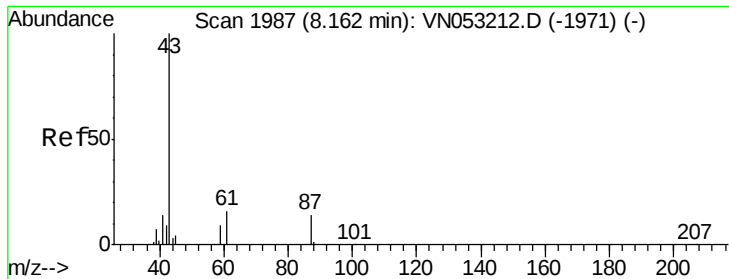
Ion Ratio Lower Upper

114 100

63 19.5 16.9 25.3

88 15.5 12.8 19.2





#44

Isopropyl Acetate

Concen: 1.040 ug/l

RT: 8.22 min Scan# 2004

Delta R.T. 0.05 min

Lab File: VN053333.D

Acq: 10 Jan 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

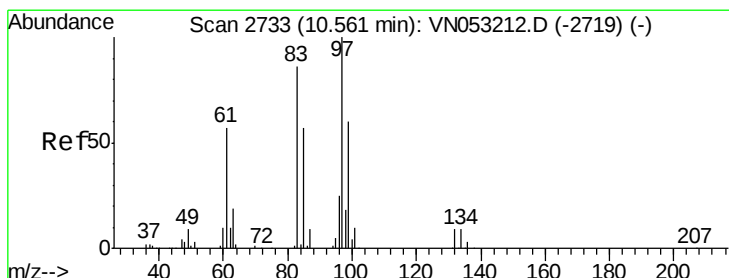
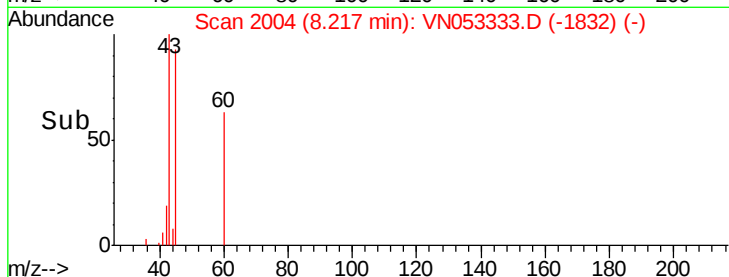
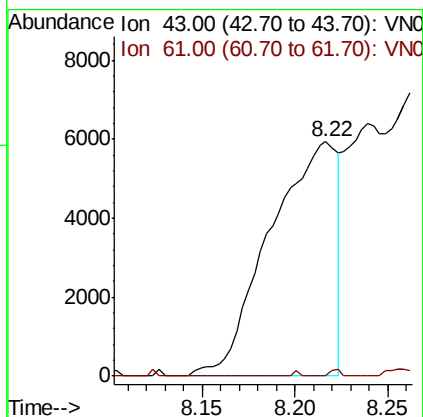
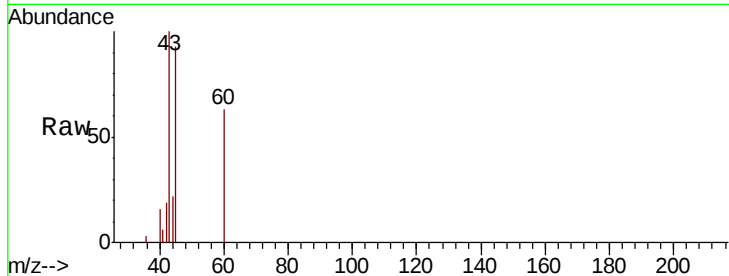
VN0110WBL01

Tgt Ion: 43 Resp: 15031

Ion Ratio Lower Upper

43 100

61 0.4 16.0 24.0#



#50

1,1,2-Trichloroethane

Concen: 3.593 ug/l

RT: 10.10 min Scan# 2590

Delta R.T. -0.46 min

Lab File: VN053333.D

Acq: 10 Jan 2019 10:04

Tgt Ion: 97 Resp: 31853

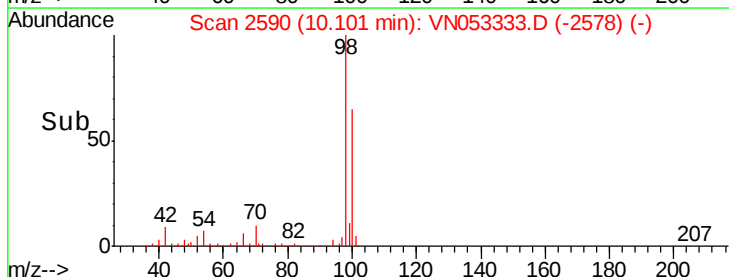
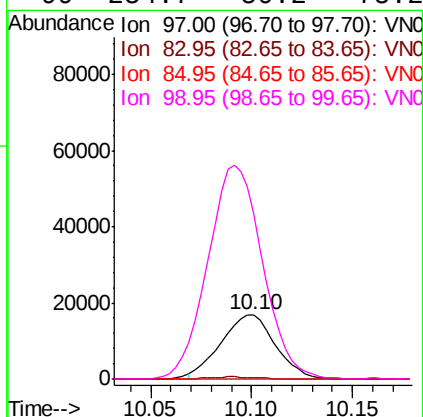
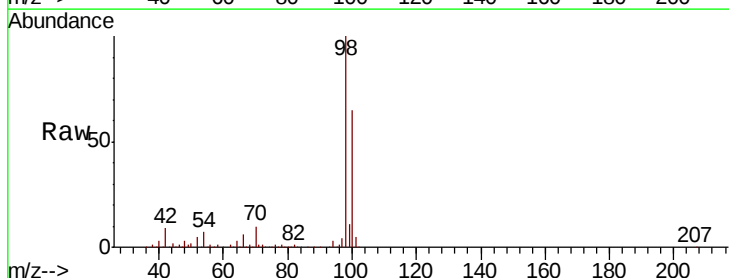
Ion Ratio Lower Upper

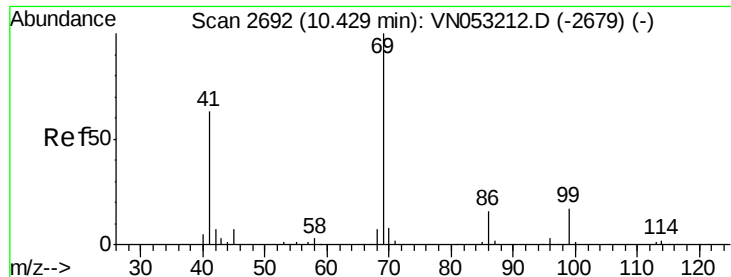
97 100

83 2.1 70.4 105.6#

85 0.0 45.0 67.6#

99 254.7 50.2 75.2#





#51

Ethyl methacrylate

Concen: 0.267 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.34 min

Lab File: VN053333.D

Acq: 10 Jan 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBL01

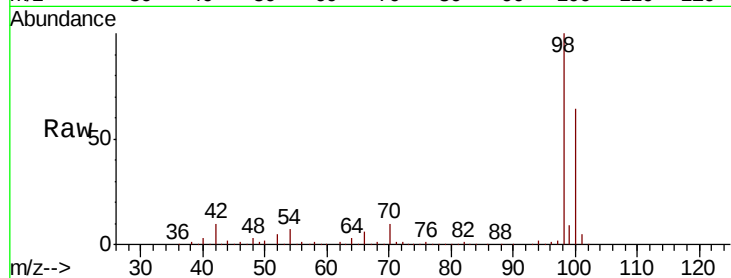
Tgt Ion: 69 Resp: 3087

Ion Ratio Lower Upper

69 100

41 87.2 34.4 103.3

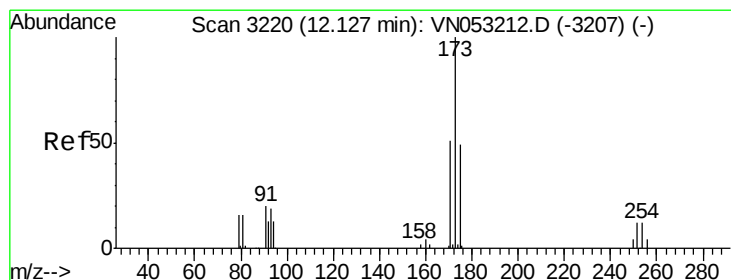
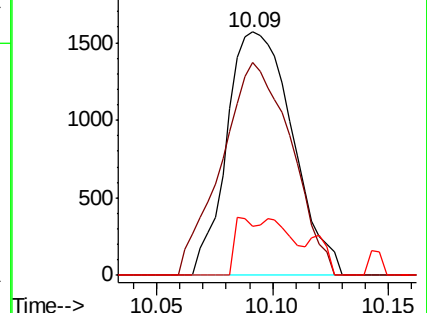
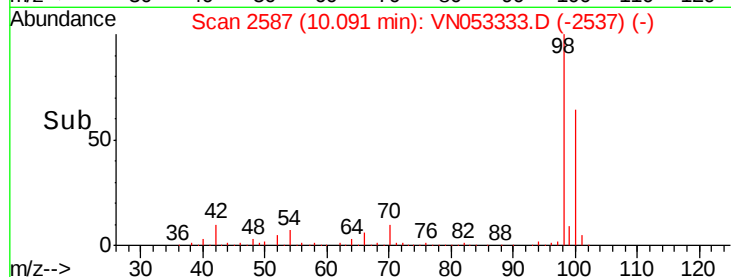
39 20.1 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN053333.D (-2537) (-)

Ion 41.00 (40.70 to 41.70): VN053333.D (-2537) (-)

Ion 39.00 (38.70 to 39.70): VN053333.D (-2537) (-)



#56

Bromoform

Concen: 0.366 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053333.D

Acq: 10 Jan 2019 10:04

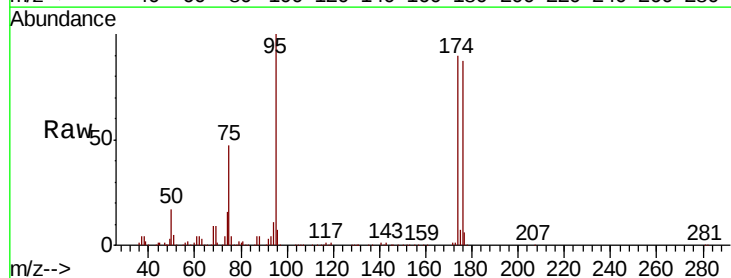
Tgt Ion: 173 Resp: 2492

Ion Ratio Lower Upper

173 100

175 912.4 38.7 58.1#

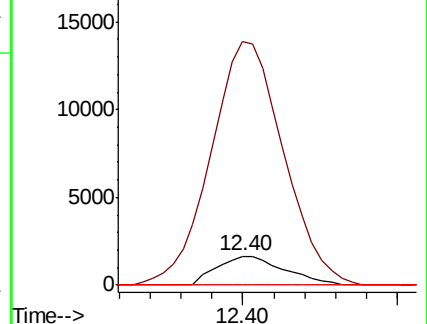
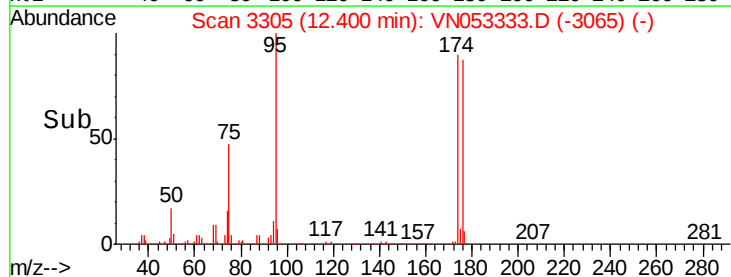
254 0.0 8.4 12.6#

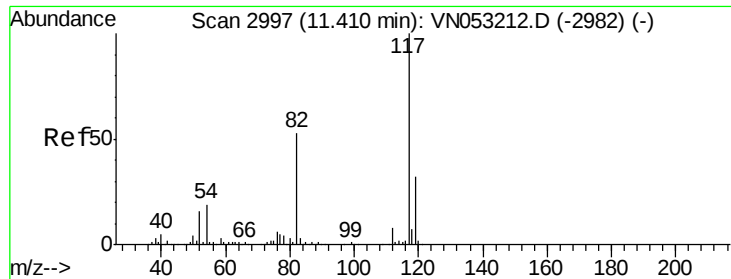


Abundance Ion 173.00 (172.70 to 173.70): VN053333.D (-3065) (-)

Ion 175.00 (174.70 to 175.70): VN053333.D (-3065) (-)

Ion 254.00 (253.70 to 254.70): VN053333.D (-3065) (-)

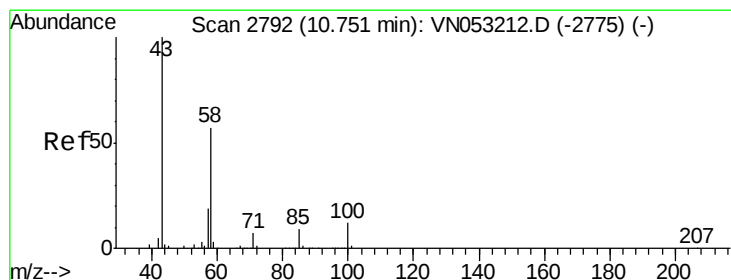
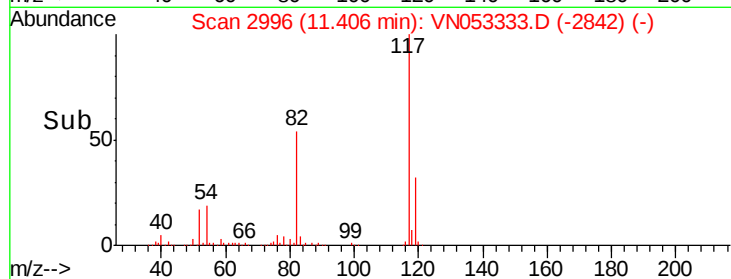
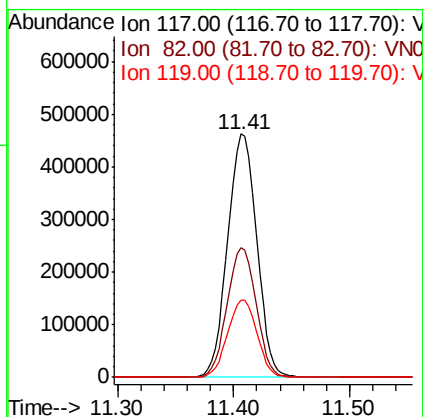
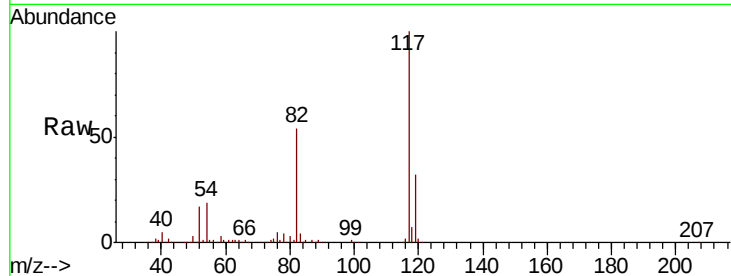




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053333.D
Acq: 10 Jan 2019 10:04

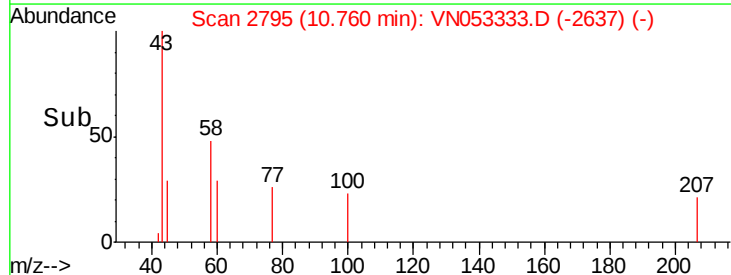
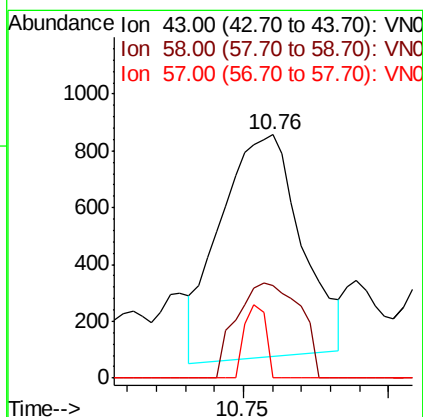
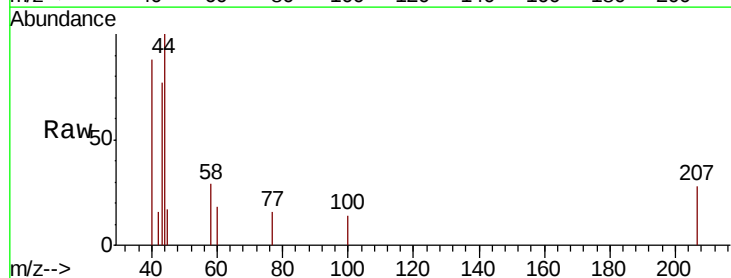
Instrument :
MSVOA_N
ClientSampleId :
VN0110WBL01

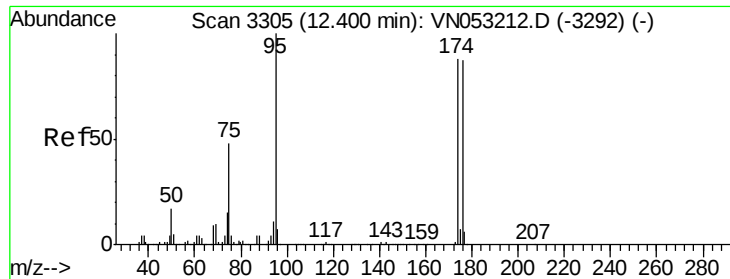
Tgt Ion: 117 Resp: 802994
Ion Ratio Lower Upper
117 100
82 53.1 44.2 66.2
119 32.0 25.4 38.2



#59
2-Hexanone
Concen: 0.288 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN053333.D
Acq: 10 Jan 2019 10:04

Tgt Ion: 43 Resp: 1523
Ion Ratio Lower Upper
43 100
58 33.4 43.2 64.8#
57 8.6 14.9 22.3#

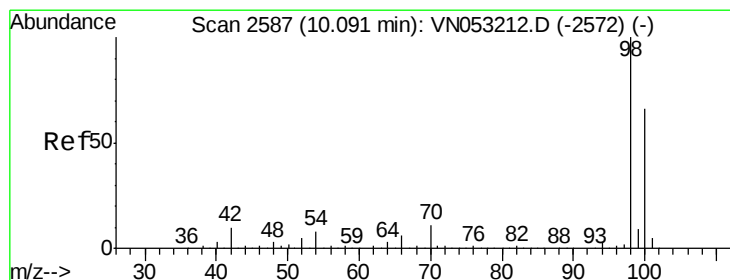
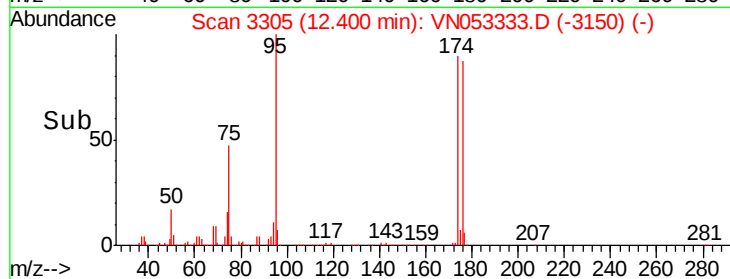
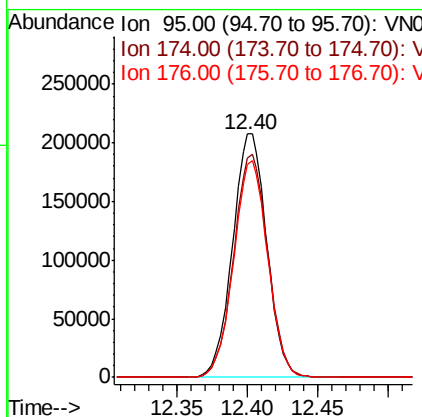
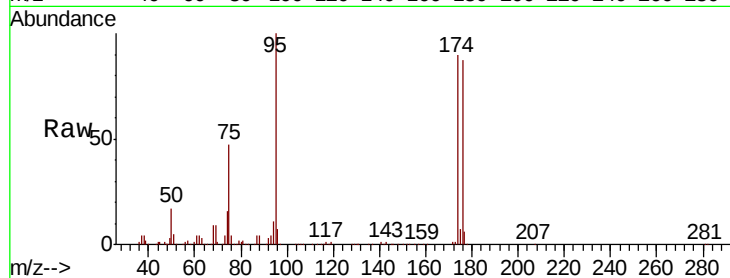




#60
4-Bromofluorobenzene
Concen: 0.288 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053333.D
Acq: 10 Jan 2019 10:04

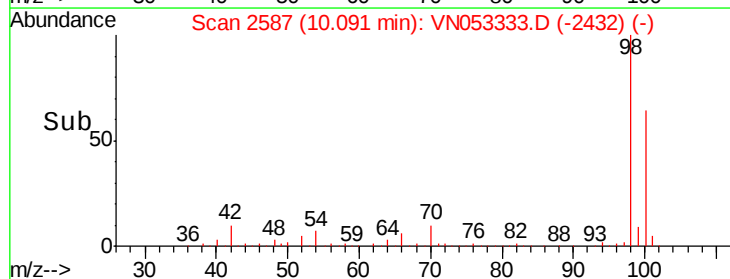
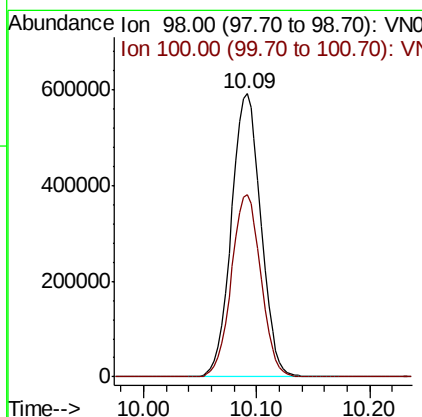
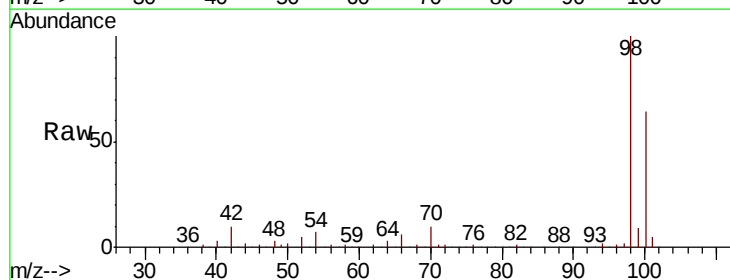
Instrument :
MSVOA_N
ClientSampleId :
VN0110WBL01

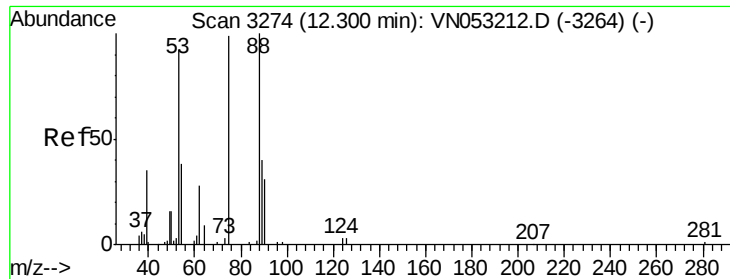
Tgt Ion: 95 Resp: 352359
Ion Ratio Lower Upper
95 100
174 91.5 67.9 101.9
176 88.6 66.4 99.6



#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053333.D
Acq: 10 Jan 2019 10:04

Tgt Ion: 98 Resp: 1076606
Ion Ratio Lower Upper
98 100
100 64.4 51.1 76.7





#77

t-1,4-Dichloro-2-butene

Concen: 54.787 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053333.D

Acq: 10 Jan 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBL01

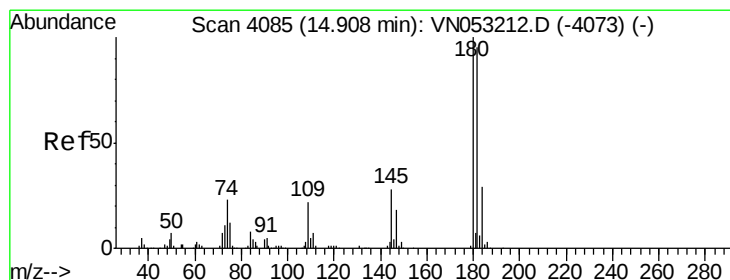
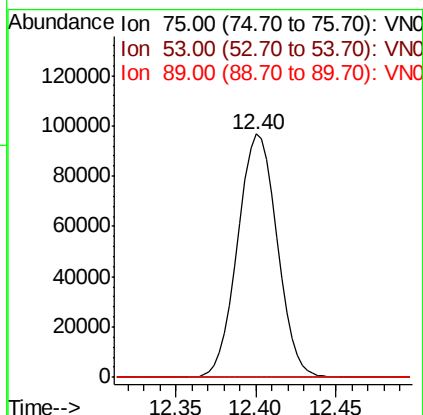
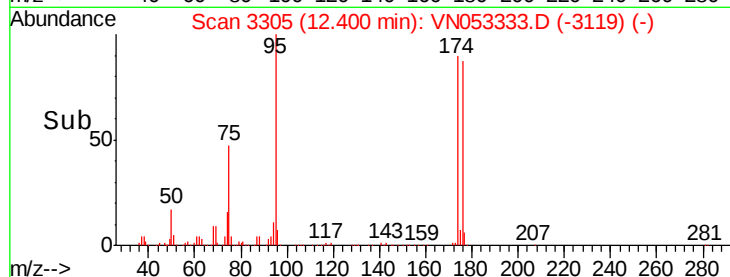
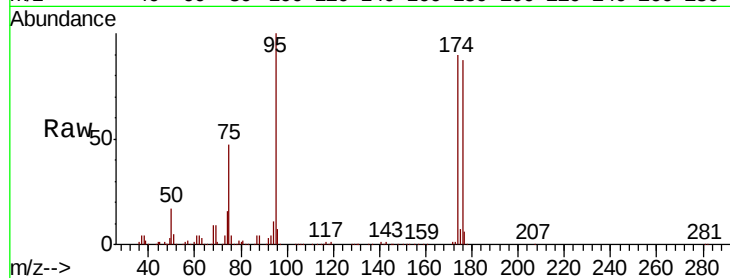
Tgt Ion: 75 Resp: 163417

Ion Ratio Lower Upper

75 100

53 0.0 48.5 145.6#

89 0.0 21.7 65.1#



#89

1,2,4-Trichlorobenzene

Concen: 0.542 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053333.D

Acq: 10 Jan 2019 10:04

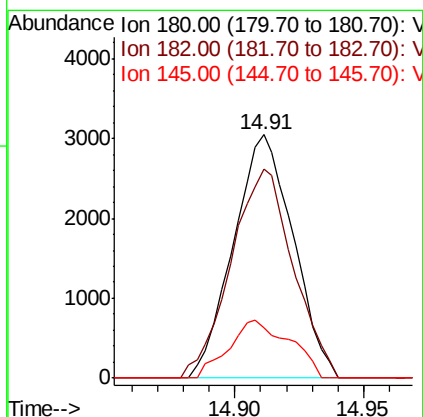
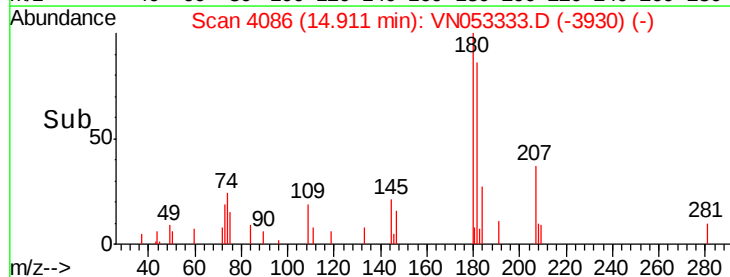
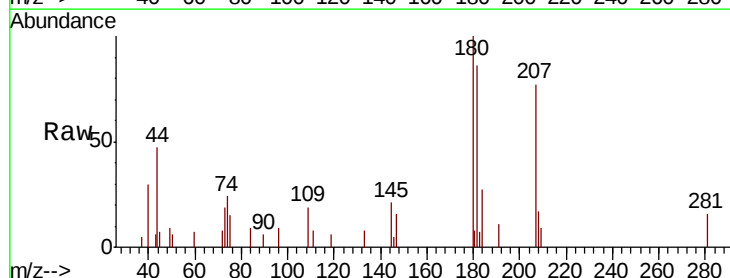
Tgt Ion: 180 Resp: 4923

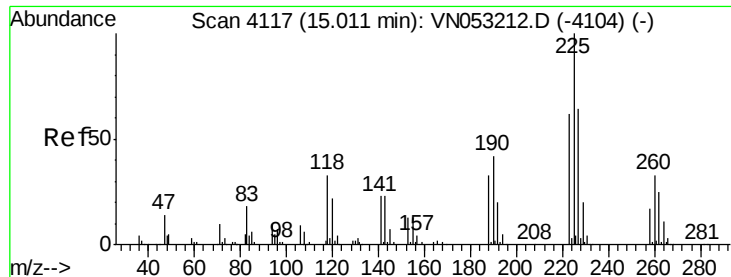
Ion Ratio Lower Upper

180 100

182 89.3 76.6 114.8

145 24.1 23.6 35.4

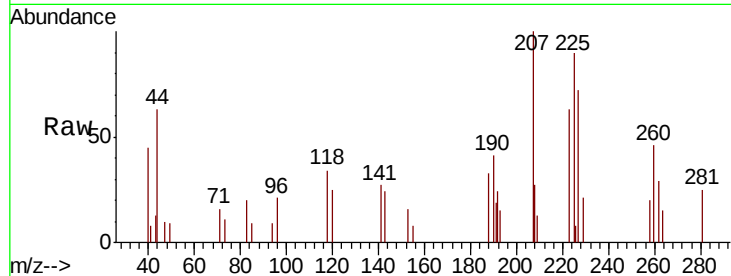




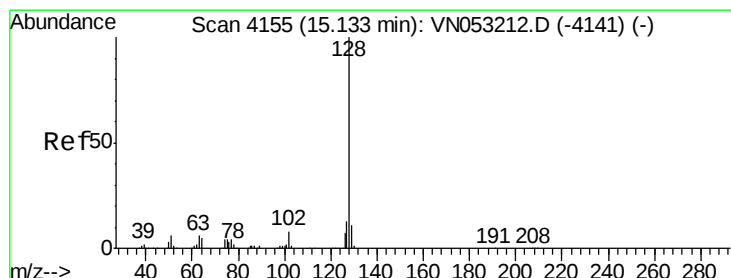
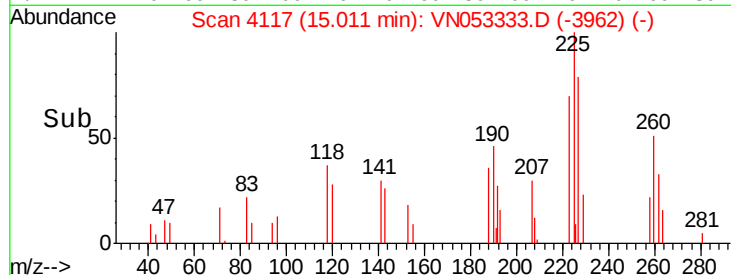
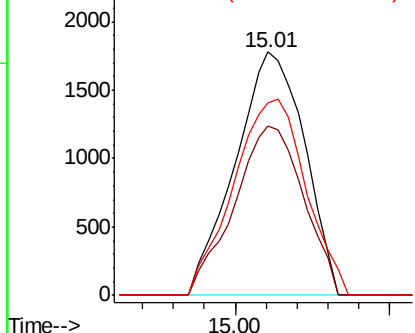
#90
Hexachlorobutadiene
Concen: 0.504 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN053333.D
Acq: 10 Jan 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VN0110WBL01

Tgt Ion: 225 Resp: 2772
Ion Ratio Lower Upper
225 100
223 69.3 0.0 125.6
227 84.1 0.0 127.8

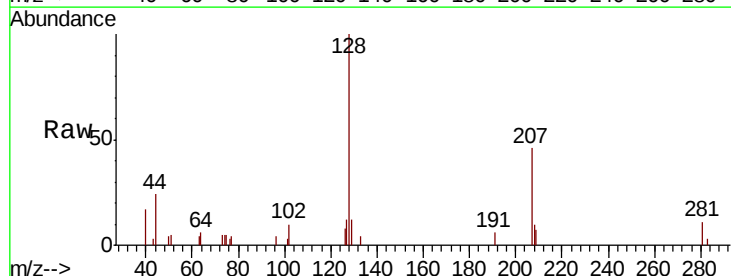


Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V

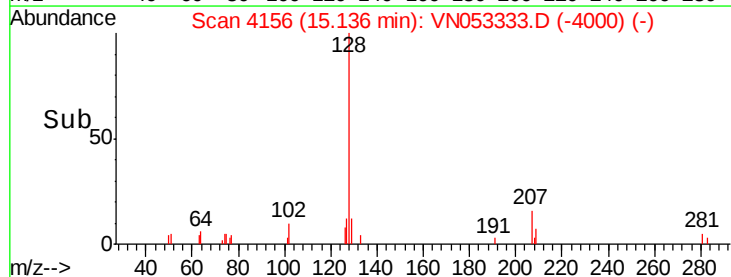
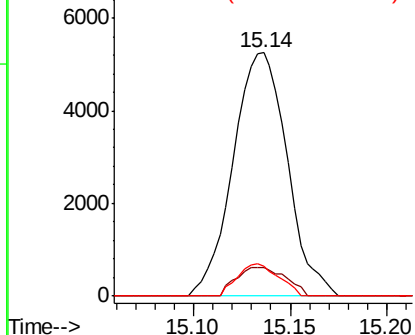


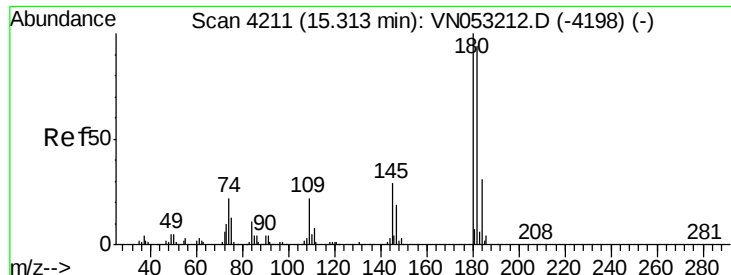
#91
Naphthalene
Concen: 0.528 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN053333.D
Acq: 10 Jan 2019 10:04

Tgt Ion: 128 Resp: 10188
Ion Ratio Lower Upper
128 100
127 10.8 9.9 14.9
129 10.1 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 0.642 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053333.D
 Acq: 10 Jan 2019 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	0.0	196.2
145	27.3	0.0	62.2

