

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070919\
 Data File : VN056622.D
 Acq On : 9 Jul 2019 11:07
 Operator : JC/SP
 Sample : VN0709WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBL01

Quant Time: Jul 09 11:46:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	65991	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	362777	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	288585	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	135886	29.87	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.57%
60) 4-Bromofluorobenzene	12.40	95	112301	25.32	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	84.40%
63) Toluene-d8	10.09	98	423320	31.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.23%

Target Compounds

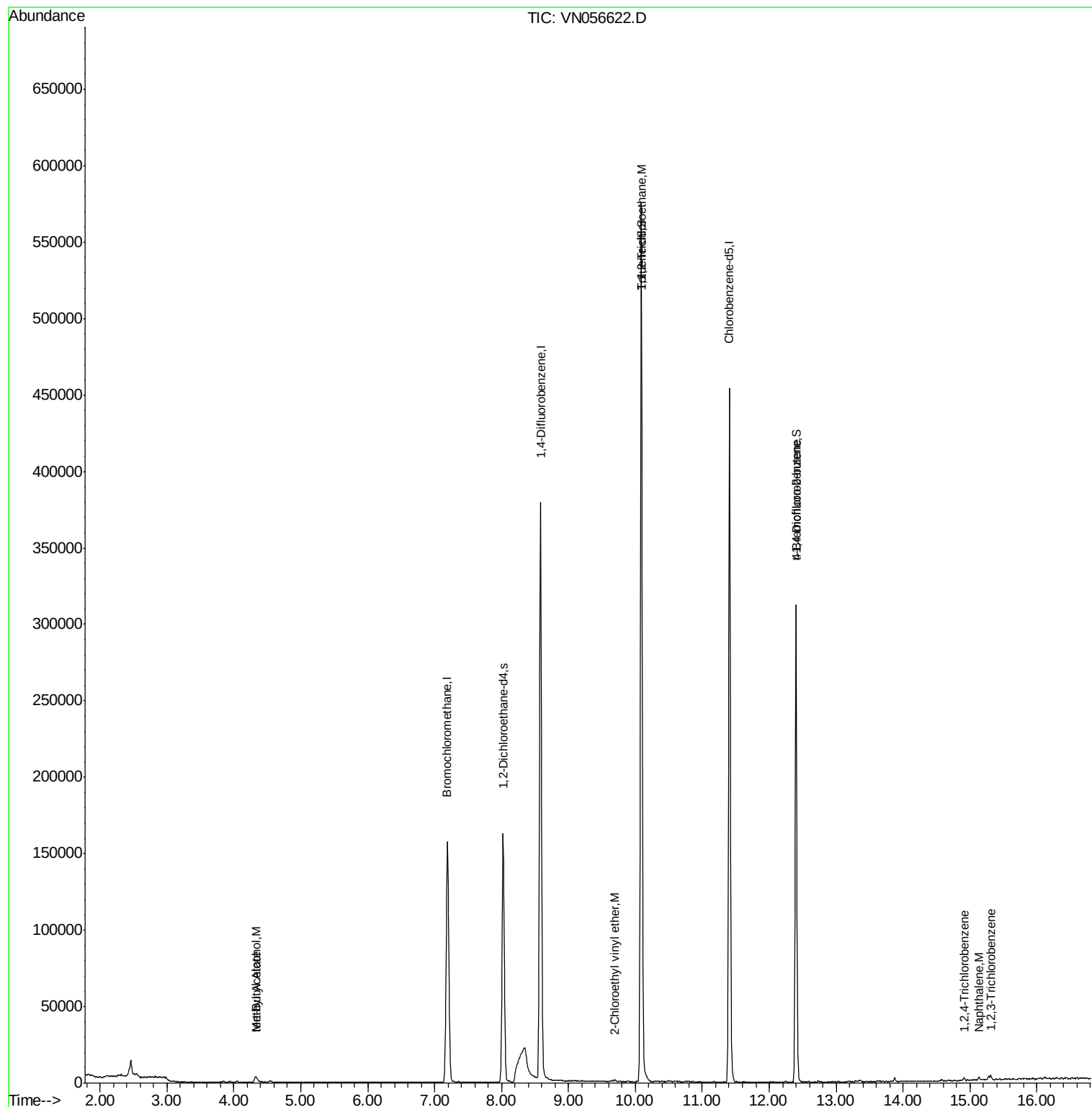
					Qvalue	
12) Methyl Acetate	4.32	43	8022	1.649	ug/l	# 89
23) tert-Butyl Alcohol	4.33	59	160	0.200	ug/l	# 100
50) 1,1,2-Trichloroethane	10.09	97	12764	3.108	ug/l	# 1
55) 2-Chloroethyl vinyl ether	9.69	63	898	0.272	ug/l	# 59
77) t-1,4-Dichloro-2-butene	12.40	75	52338	35.342	ug/l	# 11
89) 1,2,4-Trichlorobenzene	14.91	180	1025	0.256	ug/l	# 89
91) Naphthalene	15.13	128	2392	0.213	ug/l	# 80
92) 1,2,3-Trichlorobenzene	15.31	180	1376	0.328	ug/l	# 92

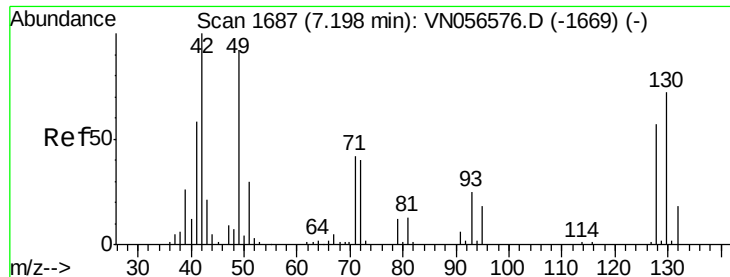
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN070919\
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBL01

Quant Time: Jul 09 11:46:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N070319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 11:05:14 2019
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: VN056622.D

Acq: 9 Jul 2019 11:07

Instrument :

MSVOA_N

ClientSampled :

VN0709WBL01

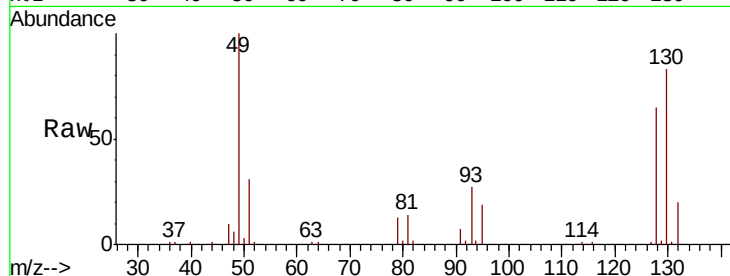
Tgt Ion:128 Resp: 65991

Ion Ratio Lower Upper

128 100

49 157.4 0.0 355.8

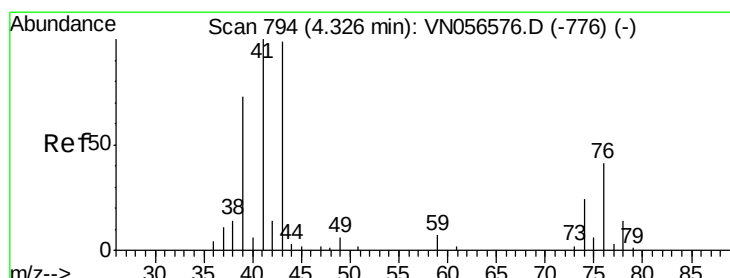
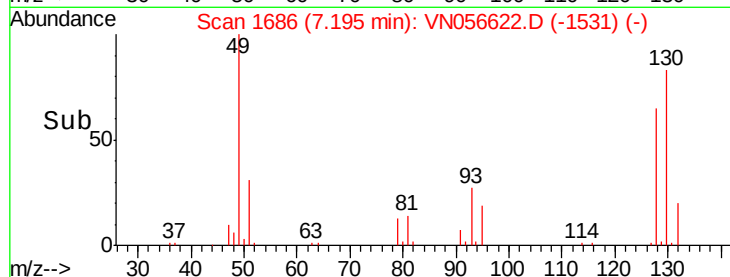
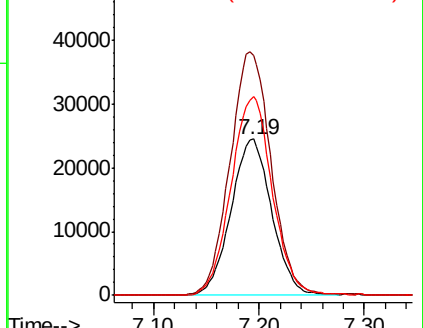
130 128.5 0.0 326.3



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: 1.649 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN056622.D

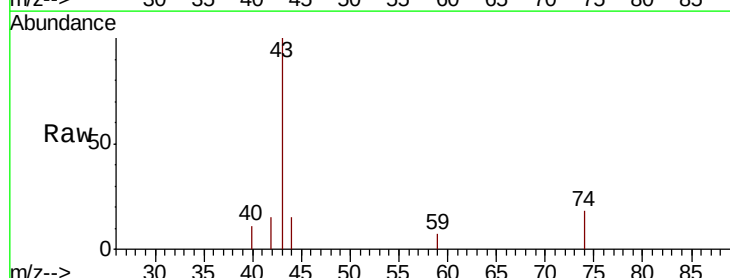
Acq: 9 Jul 2019 11:07

Tgt Ion: 43 Resp: 8022

Ion Ratio Lower Upper

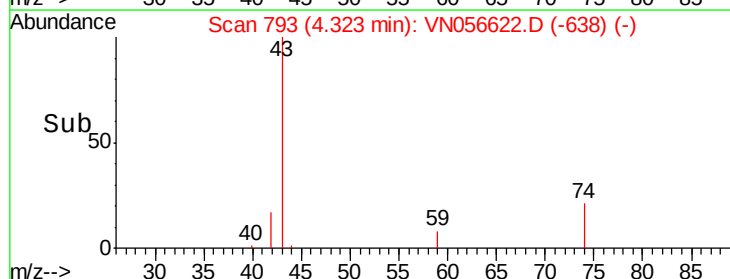
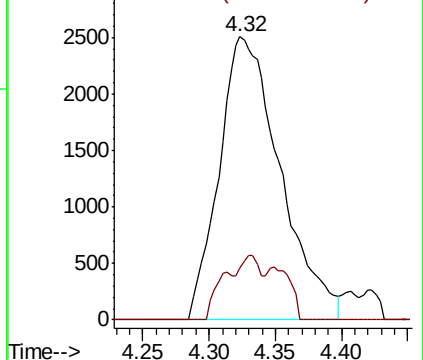
43 100

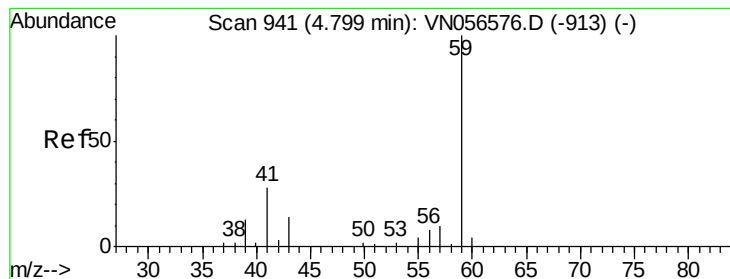
74 19.2 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



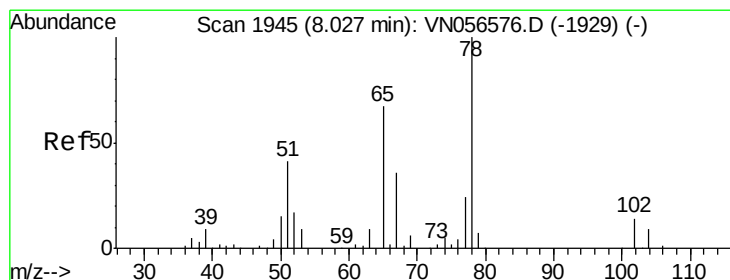
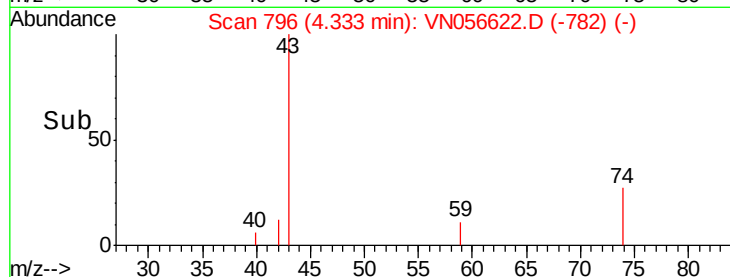
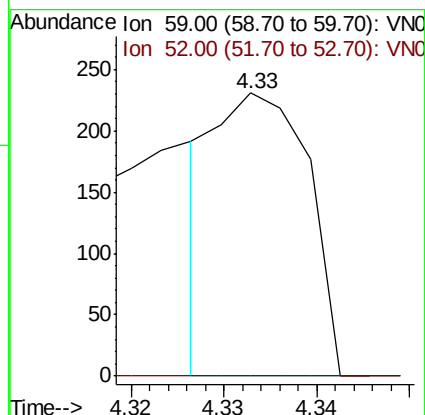
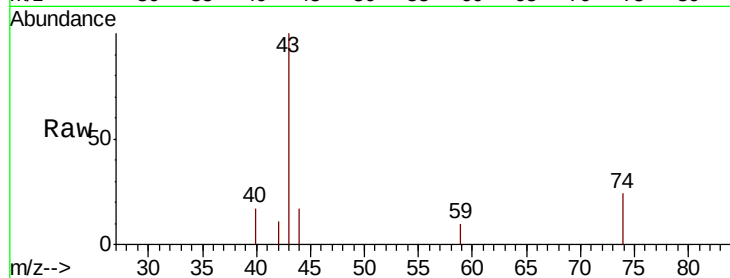


#23

tert-Butyl Alcohol
 Concen: 0.200 ug/l
 RT: 4.33 min Scan# 796
 Delta R.T. -0.46 min
 Lab File: VN056622.D
 Acq: 9 Jul 2019 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBL01

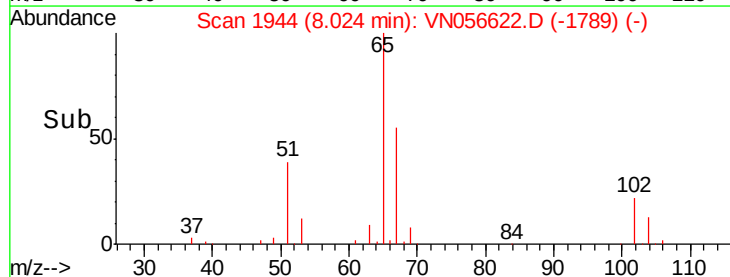
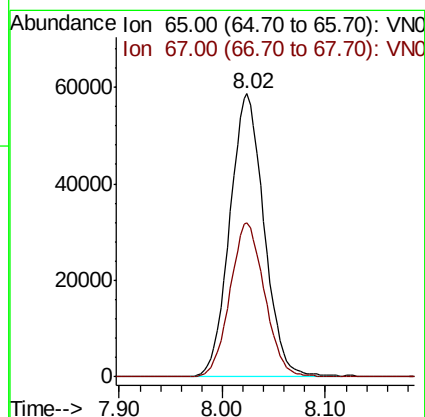
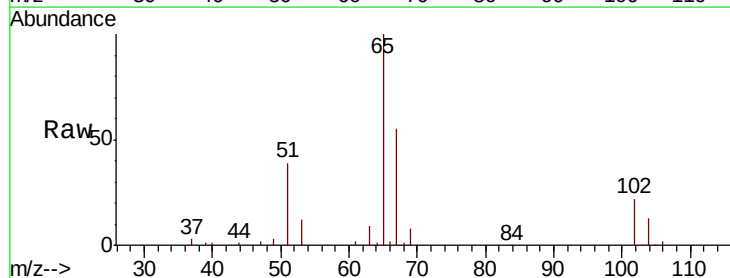
Tgt Ion: 59 Resp: 160
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

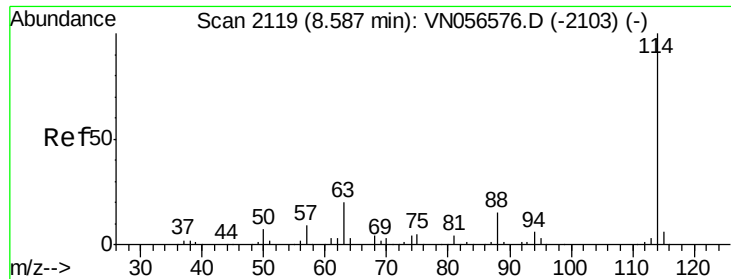


#27

1,2-Dichloroethane-d4
 Concen: 29.869 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056622.D
 Acq: 9 Jul 2019 11:07

Tgt Ion: 65 Resp: 135886
 Ion Ratio Lower Upper
 65 100
 67 54.8 43.4 65.2

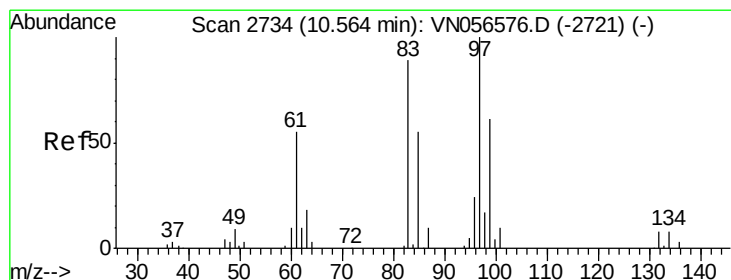
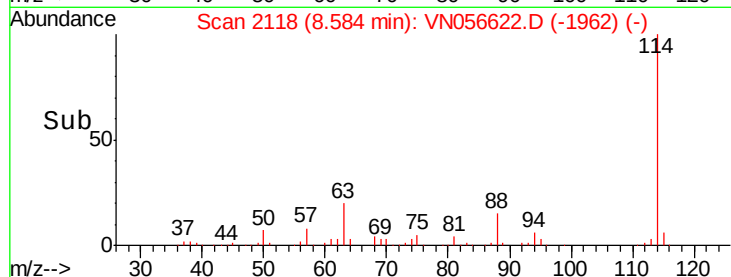
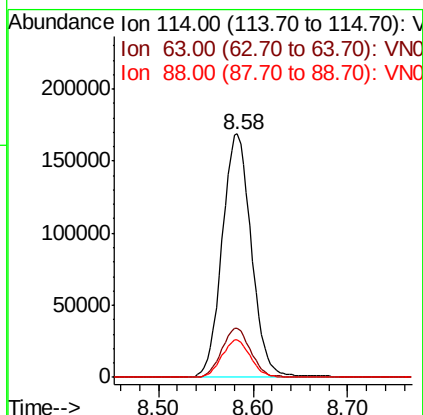
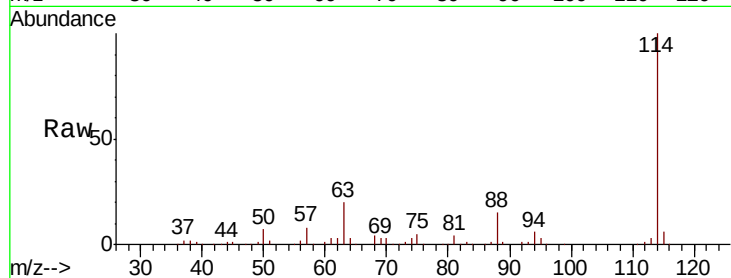




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056622.D
 Acq: 9 Jul 2019 11:07

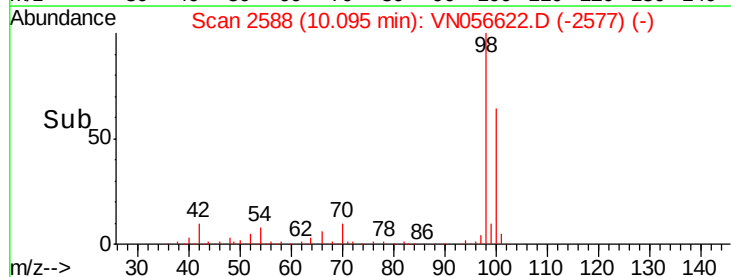
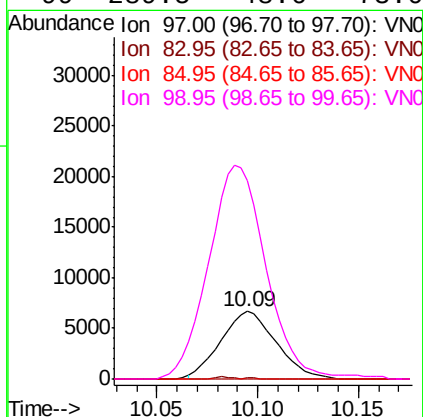
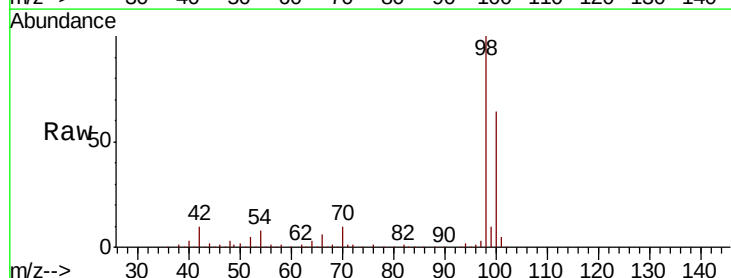
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBL01

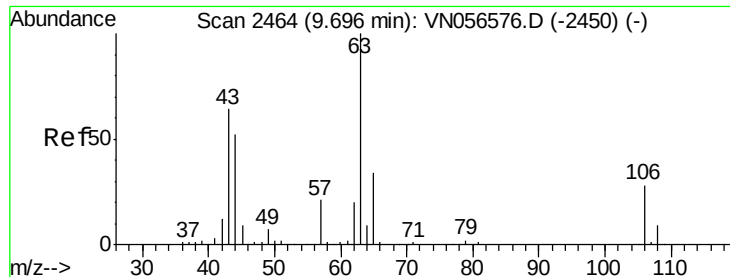
Tgt Ion: 114 Resp: 362777
 Ion Ratio Lower Upper
 114 100
 63 20.0 14.7 22.1
 88 15.2 11.9 17.9



#50
 1,1,2-Trichloroethane
 Concen: 3.108 ug/l
 RT: 10.09 min Scan# 2588
 Delta R.T. -0.47 min
 Lab File: VN056622.D
 Acq: 9 Jul 2019 11:07

Tgt Ion: 97 Resp: 12764
 Ion Ratio Lower Upper
 97 100
 83 2.5 66.9 100.3#
 85 0.0 43.3 64.9#
 99 289.5 48.6 73.0#

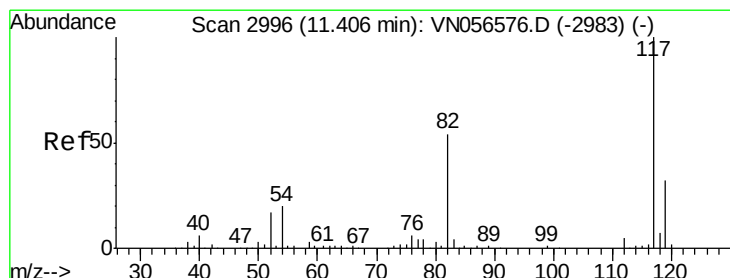
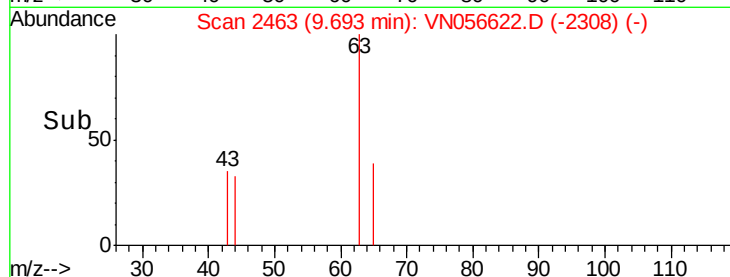
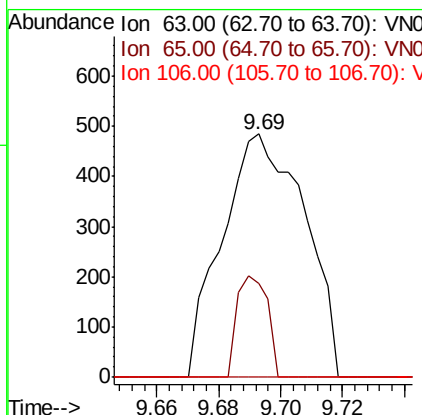
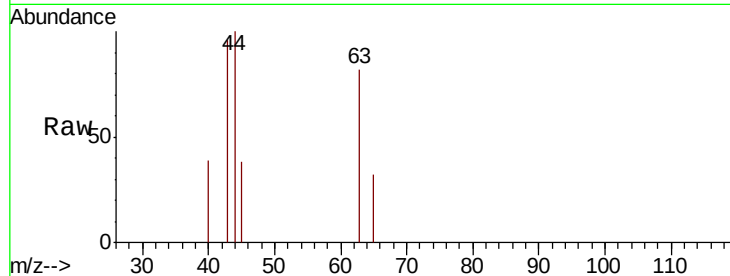




#55
2-Chloroethyl vinyl ether
Concen: 0.272 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056622.D
Acq: 9 Jul 2019 11:07

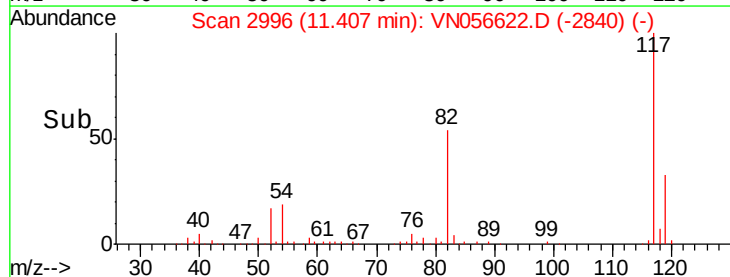
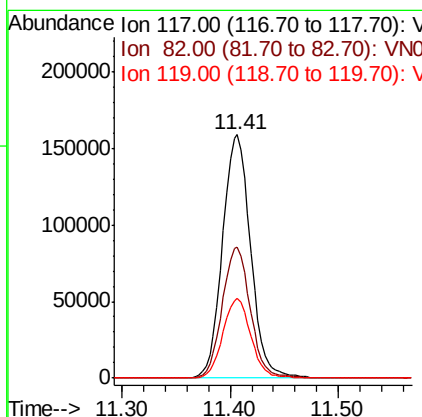
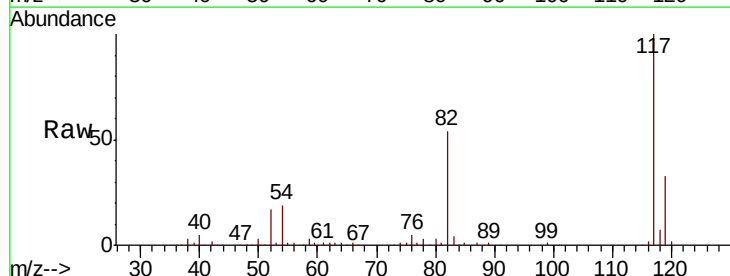
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBL01

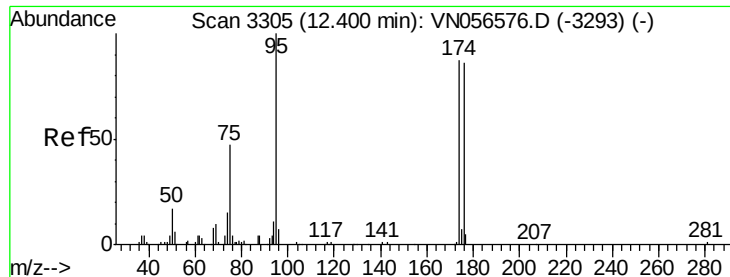
Tgt Ion: 63 Resp: 898
Ion Ratio Lower Upper
63 100
65 15.4 25.5 38.3#
106 0.0 23.0 34.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056622.D
Acq: 9 Jul 2019 11:07

Tgt Ion: 117 Resp: 288585
Ion Ratio Lower Upper
117 100
82 53.8 41.2 61.8
119 32.6 26.2 39.2





#60

4-Bromofluorobenzene

Concen: 25.324 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056622.D

Acq: 9 Jul 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBL01

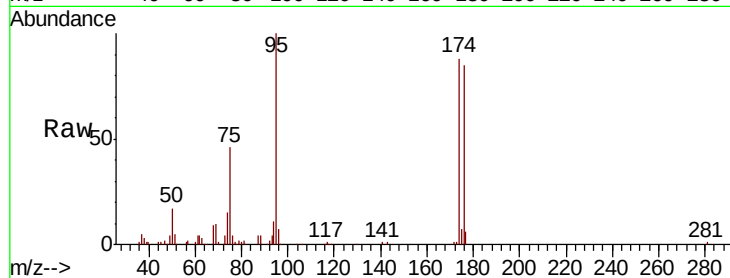
Tgt Ion: 95 Resp: 112301

Ion Ratio Lower Upper

95 100

174 88.2 75.4 113.0

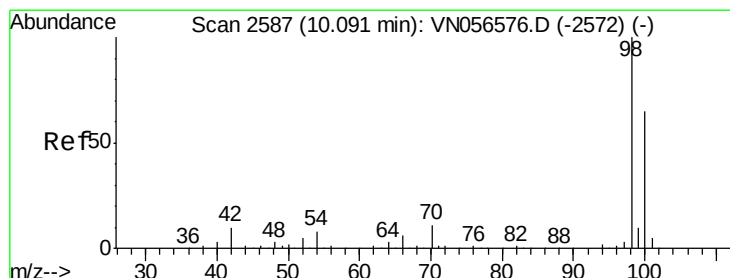
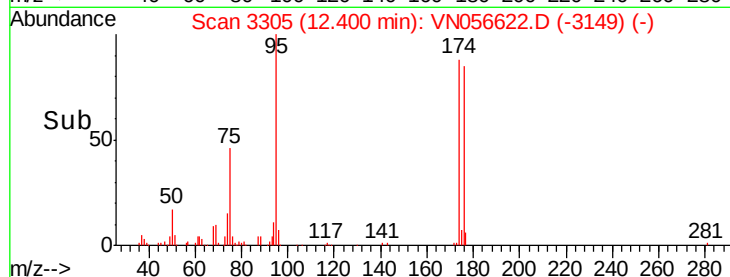
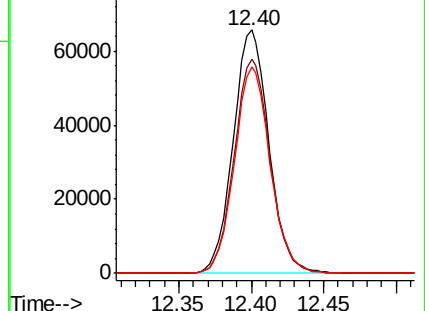
176 85.0 73.9 110.9



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: 31.567 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056622.D

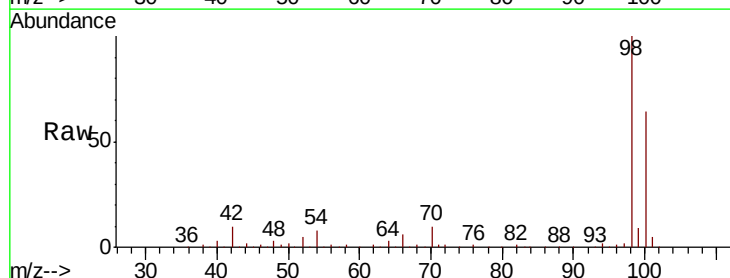
Acq: 9 Jul 2019 11:07

Tgt Ion: 98 Resp: 423320

Ion Ratio Lower Upper

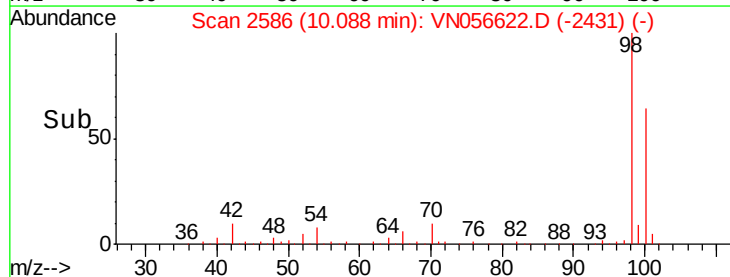
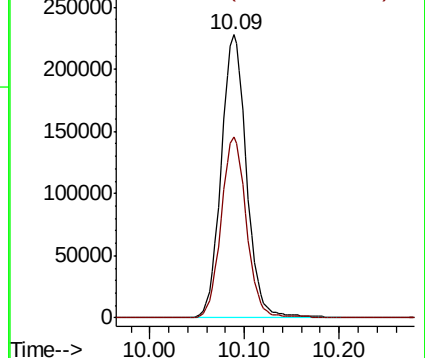
98 100

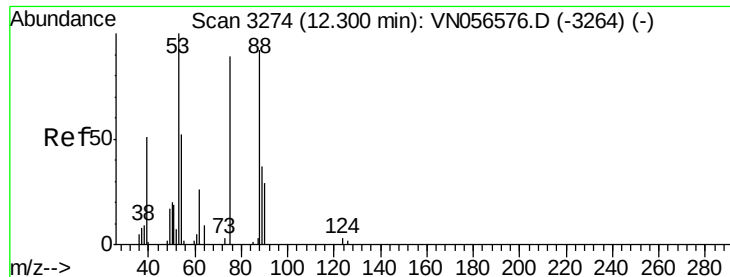
100 64.1 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): V

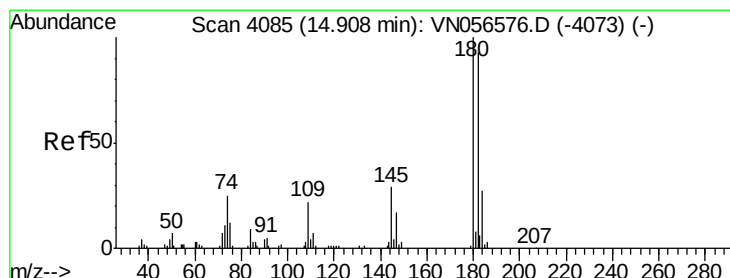
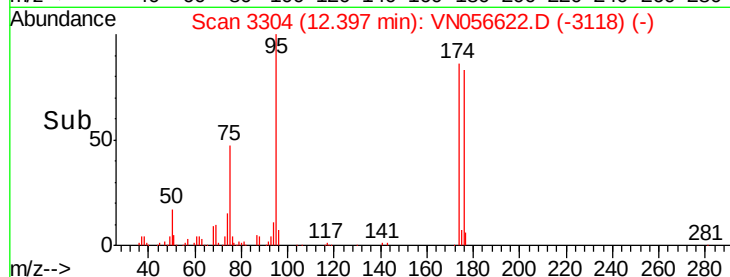
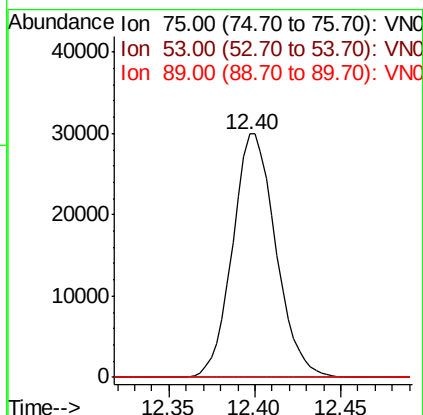
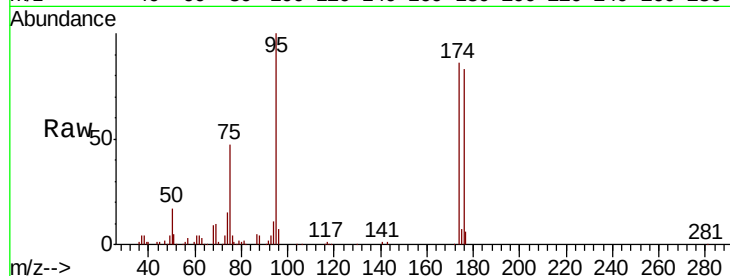




#77
t-1,4-Dichloro-2-butene
Concen: 35.342 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN056622.D
Acq: 9 Jul 2019 11:07

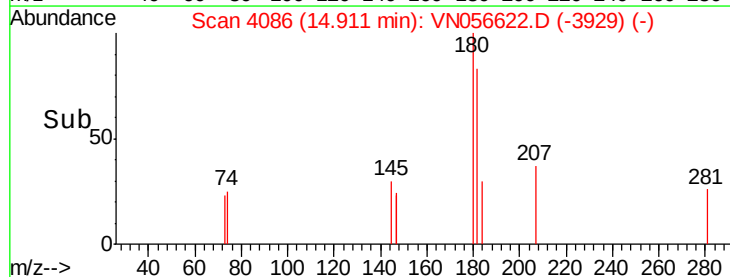
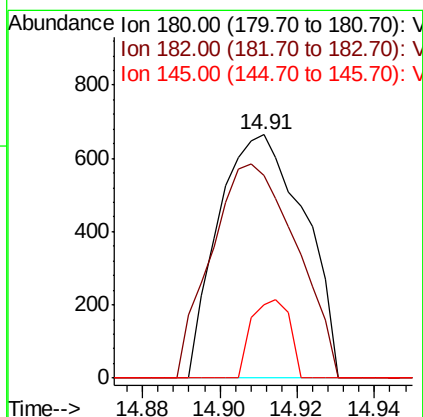
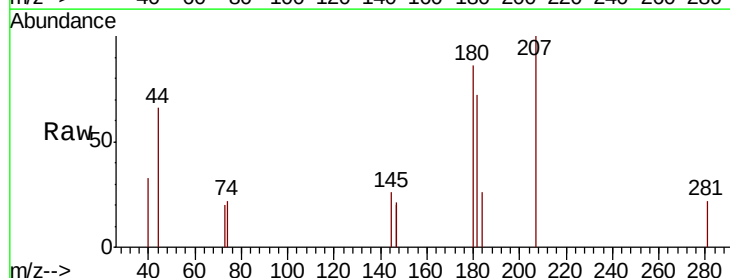
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBL01

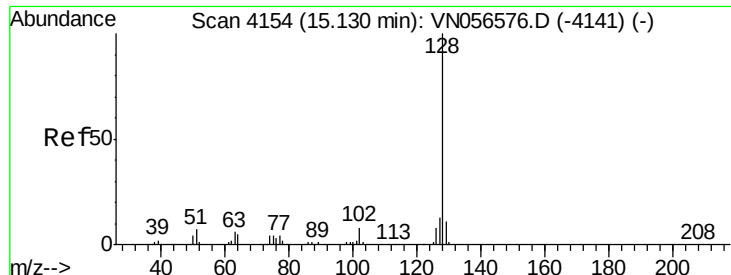
Tgt Ion: 75 Resp: 52338
Ion Ratio Lower Upper
75 100
53 0.0 48.0 144.0#
89 0.0 22.5 67.5#



#89
1,2,4-Trichlorobenzene
Concen: 0.256 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN056622.D
Acq: 9 Jul 2019 11:07

Tgt Ion: 180 Resp: 1025
Ion Ratio Lower Upper
180 100
182 87.1 75.0 112.6
145 14.2 22.1 33.1#

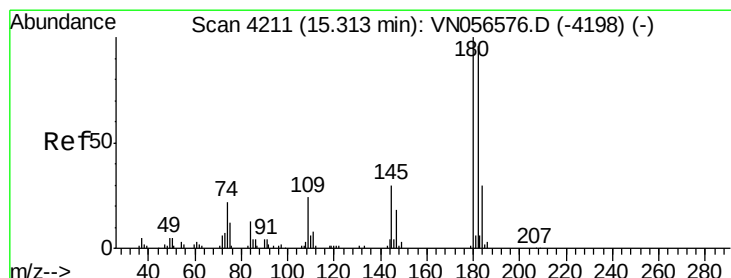
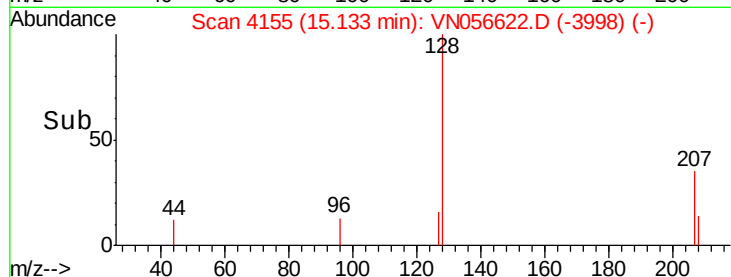
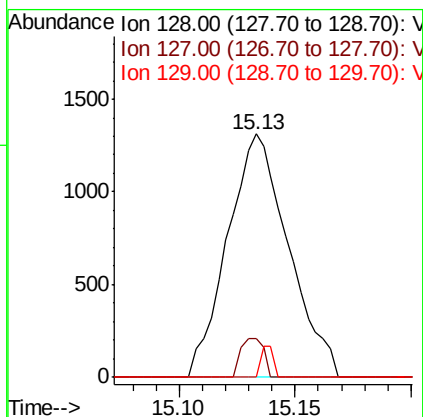
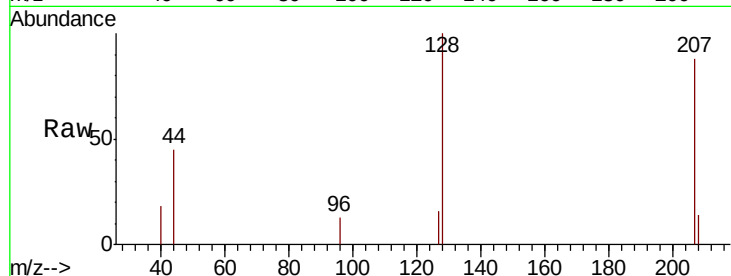




#91
Naphthalene
Concen: 0.213 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056622.D
Acq: 9 Jul 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBL01

Tgt Ion:128 Resp: 2392
Ion Ratio Lower Upper
128 100
127 6.0 10.4 15.6#
129 2.7 8.7 13.1#



#92
1,2,3-Trichlorobenzene
Concen: 0.328 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056622.D
Acq: 9 Jul 2019 11:07

Tgt Ion:180 Resp: 1376
Ion Ratio Lower Upper
180 100
182 95.1 0.0 193.4
145 14.4 0.0 59.8

