

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052534.D
 Acq On : 28 Nov 2018 22:34
 Operator : MD\SY
 Sample : VN1128WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128WBL02

Quant Time: Nov 29 02:35:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	180282	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1036938	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	857780	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	361072	29.39	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.97%
60) 4-Bromofluorobenzene	12.40	95	348132	26.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.47%
63) Toluene-d8	10.09	98	1207238	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

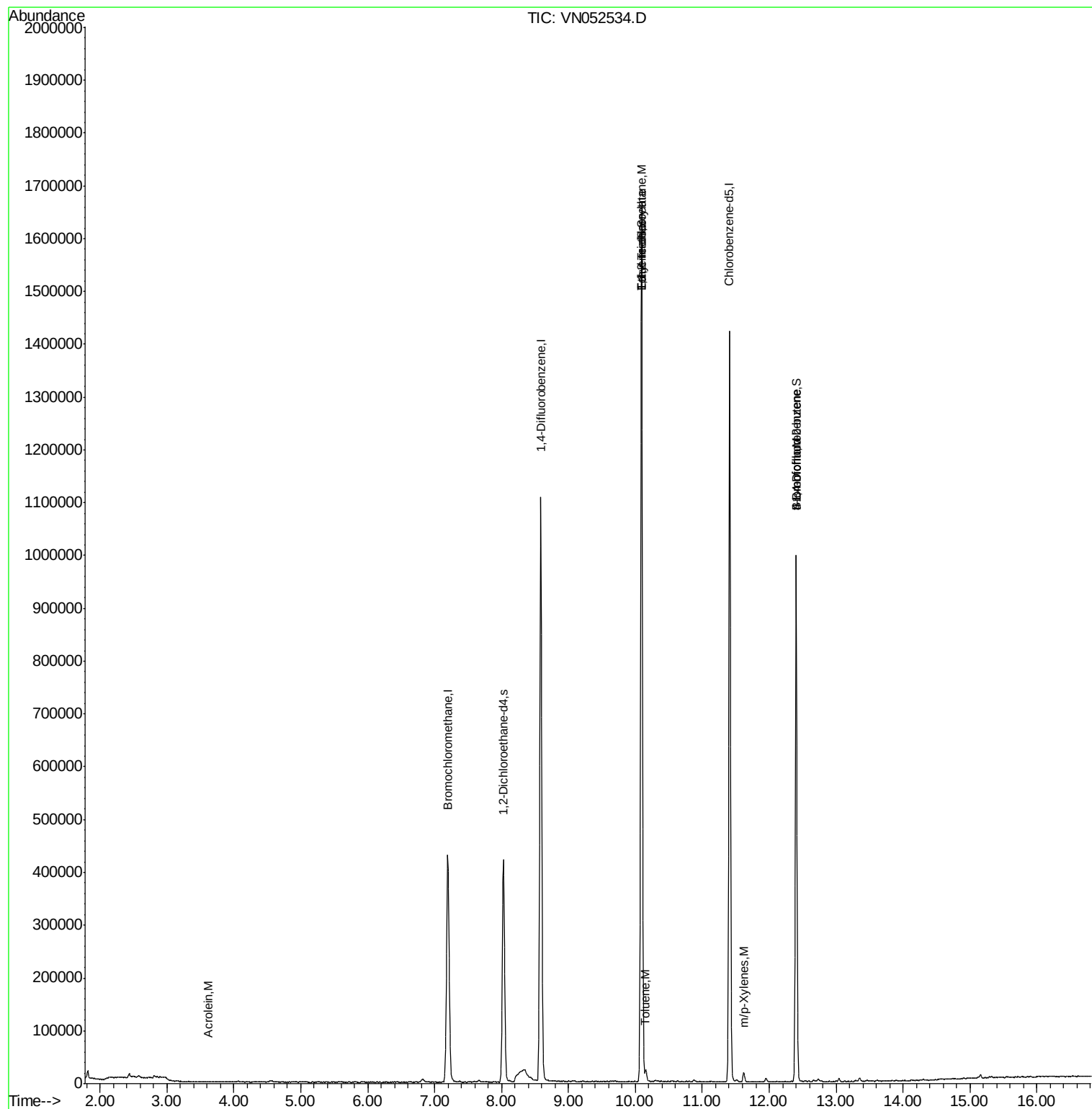
					Ovalue
13) Acrolein	3.62	56	264	0.262 ug/l	93
50) 1,1,2-Trichloroethane	10.10	97	35299	3.611 ug/l #	1
51) Ethyl methacrylate	10.10	69	3315	0.270 ug/l	81
56) Bromoform	12.40	173	2246	0.319 ug/l #	1
62) Toluene	10.16	91	13097	0.277 ug/l	94
67) m/p-Xylenes	11.62	106	5913	0.311 ug/l	99
77) t-1,4-Dichloro-2-butene	12.40	75	164399	56.838 ug/l #	11

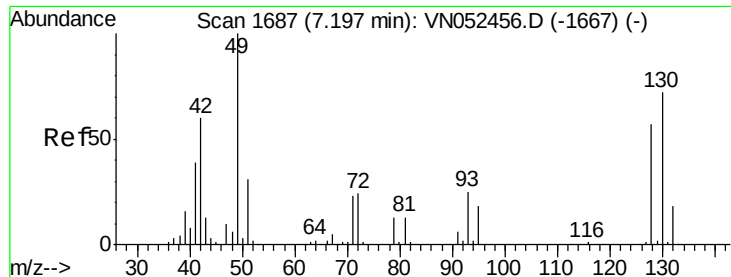
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112818\
Data File : VN052534.D
Acq On : 28 Nov 2018 22:34
Operator : MD\SY
Sample : VN1128WBL02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 32 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1128WBL02

Quant Time: Nov 28 23:44:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

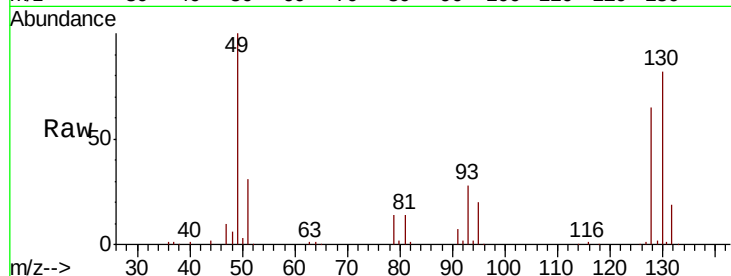




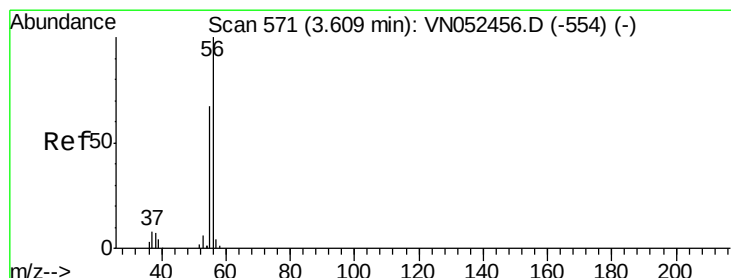
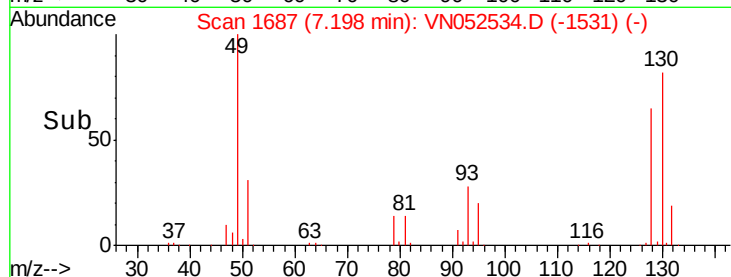
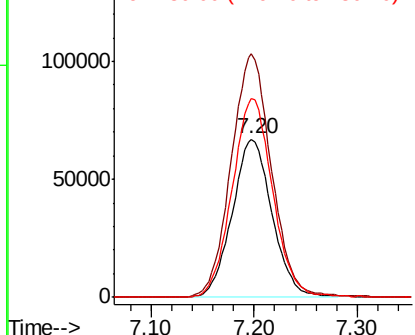
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052534.D
Acq: 28 Nov 2018 22:34

Instrument :
MSVOA_N
ClientSampled :
VN1128WBL02

Tot Ion:128 Resp: 180282
Ion Ratio Lower Upper
128 100
49 155.7 0.0 431.8
130 127.0 0.0 317.0

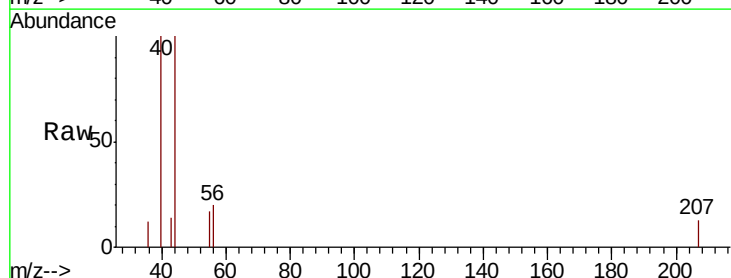


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

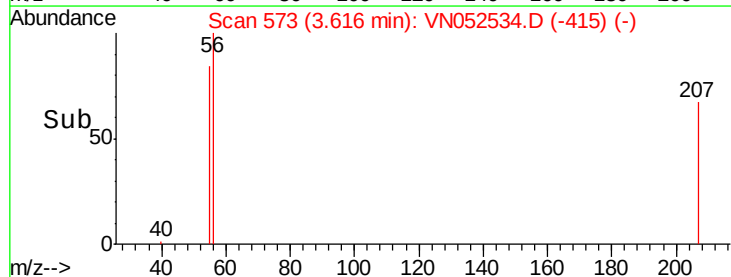
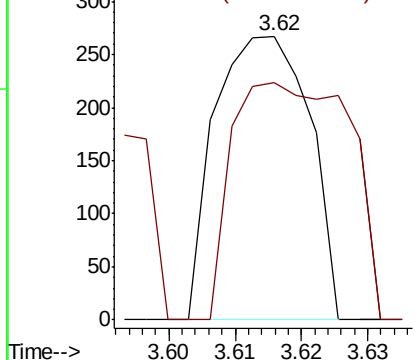


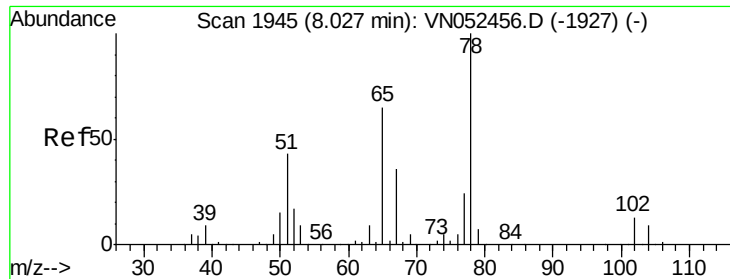
#13
Acrolein
Concen: 0.262 ug/l
RT: 3.62 min Scan# 573
Delta R.T. 0.01 min
Lab File: VN052534.D
Acq: 28 Nov 2018 22:34

Tgt Ion: 56 Resp: 264
Ion Ratio Lower Upper
56 100
55 76.5 56.7 85.1



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

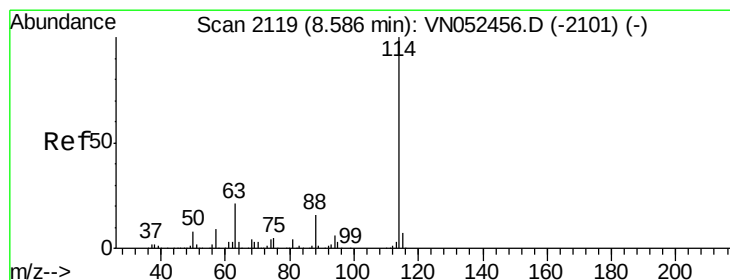
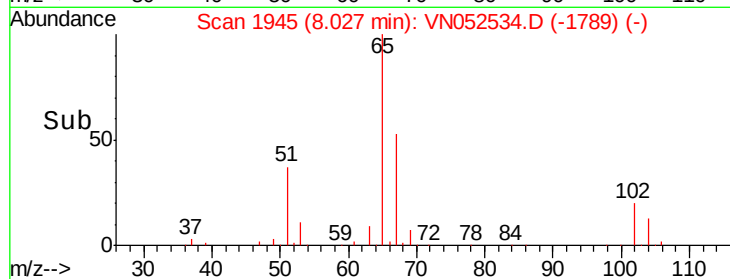
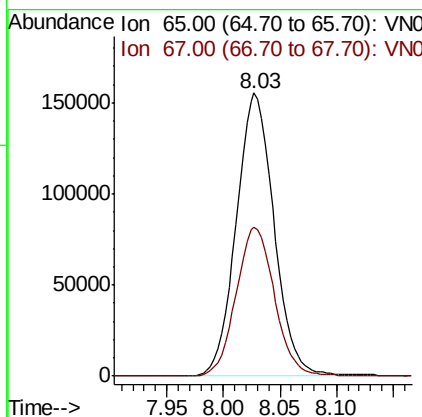
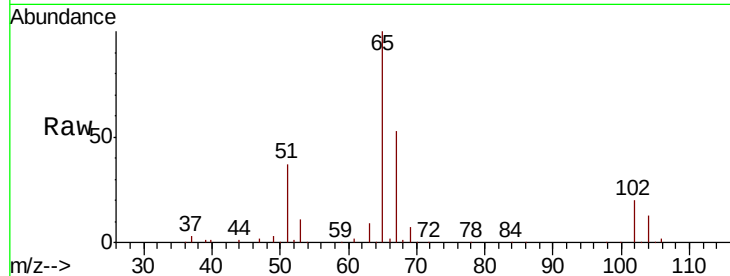




#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052534.D
 Acq: 28 Nov 2018 22:34

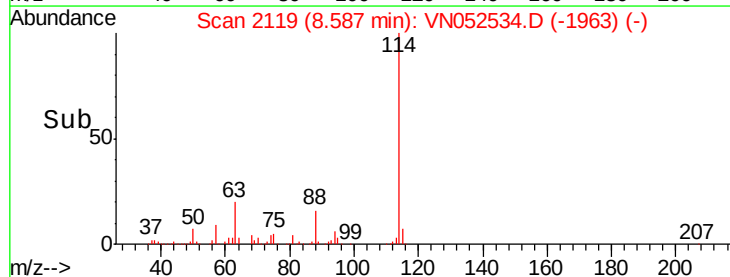
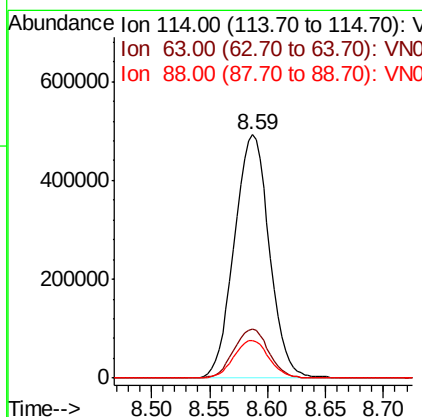
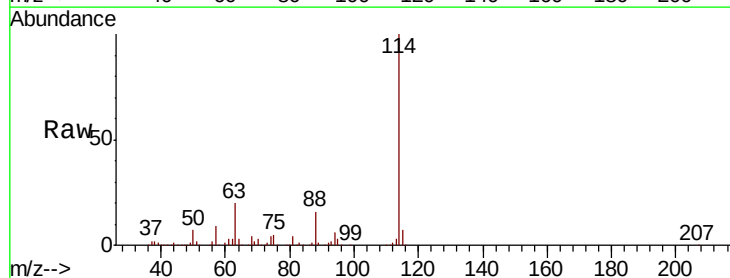
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128WBL02

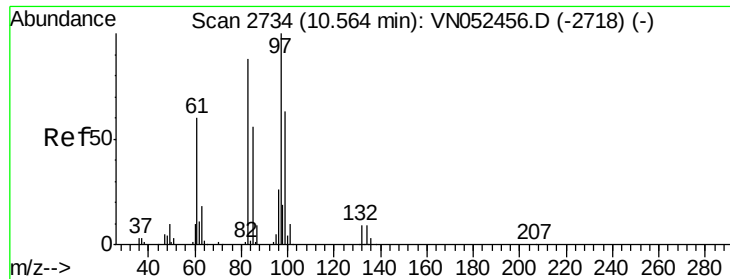
Tot Ion: 65 Resp: 361072
 Ion Ratio Lower Upper
 65 100
 67 53.5 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052534.D
 Acq: 28 Nov 2018 22:34

Tgt Ion: 114 Resp: 1036938
 Ion Ratio Lower Upper
 114 100
 63 20.2 16.9 25.3
 88 15.6 12.8 19.2

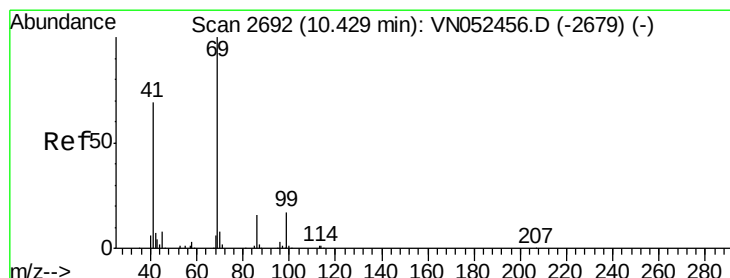
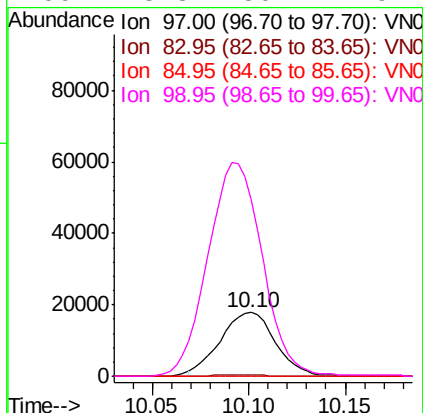
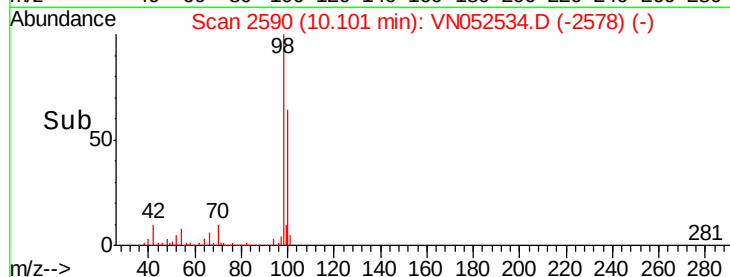
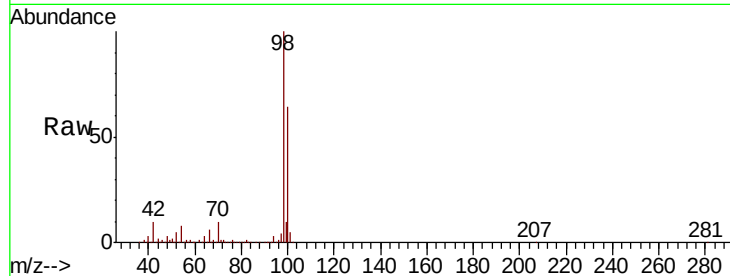




#50
 1,1,2-Trichloroethane
 Concen: 3.611 ug/l
 RT: 10.10 min Scan# 2590
 Delta R.T. -0.46 min
 Lab File: VN052534.D
 Acq: 28 Nov 2018 22:34

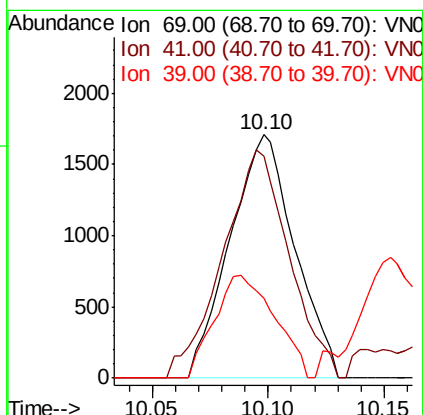
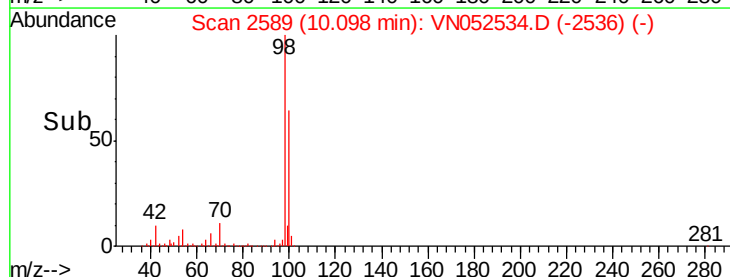
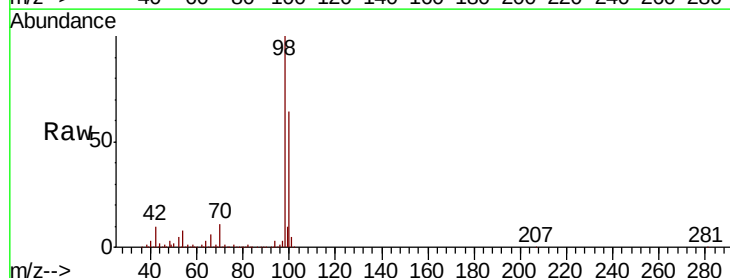
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128WBL02

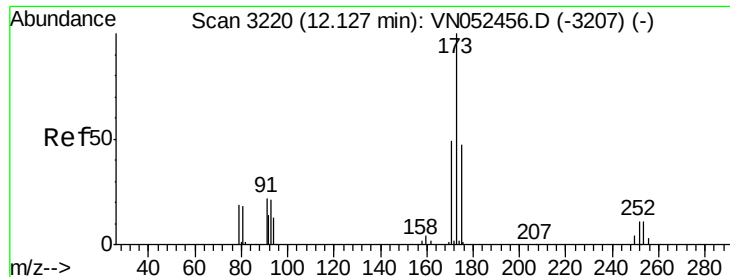
Tot Ion	Ratio	Lower	Upper
97	100		
83	1.8	70.4	105.6#
85	0.0	45.0	67.6#
99	273.8	50.2	75.2#



#51
 Ethyl methacrylate
 Concen: 0.270 ug/l
 RT: 10.10 min Scan# 2589
 Delta R.T. -0.33 min
 Lab File: VN052534.D
 Acq: 28 Nov 2018 22:34

Tgt Ion	Ratio	Lower	Upper
69	100		
41	91.0	34.4	103.3
39	32.6	16.4	49.2





#56

Bromoform

Concen: 0.319 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052534.D

Acq: 28 Nov 2018 22:34

Instrument :

MSVOA_N

ClientSampleId :

VN1128WBL02

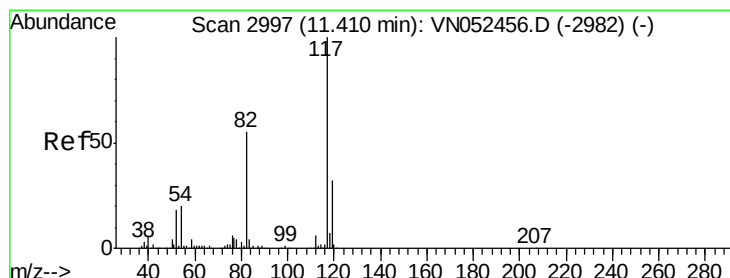
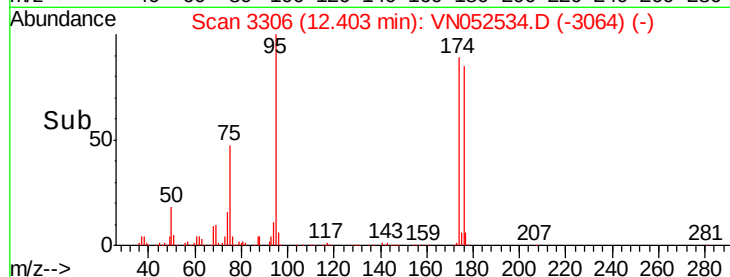
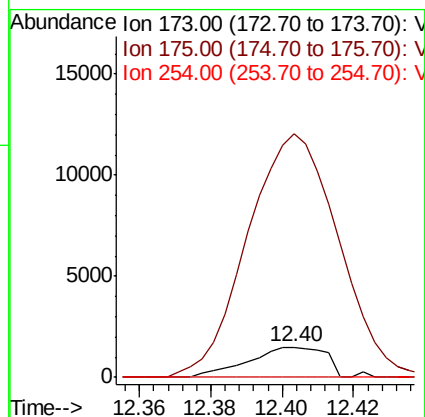
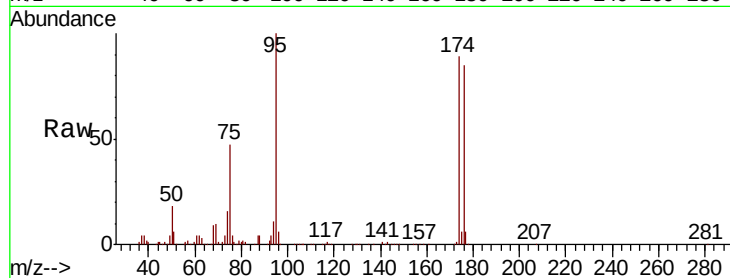
Tot Ion:173 Resp: 2246

Ion Ratio Lower Upper

173 100

175 946.2 38.7 58.1#

254 0.0 8.4 12.6#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052534.D

Acq: 28 Nov 2018 22:34

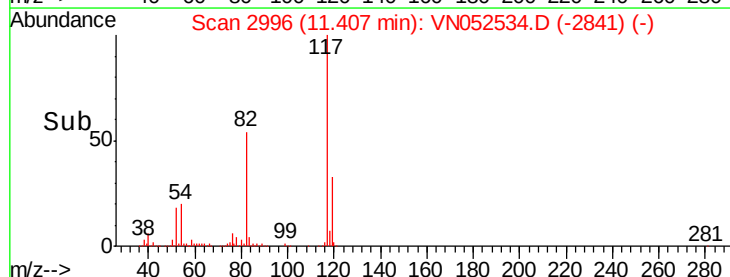
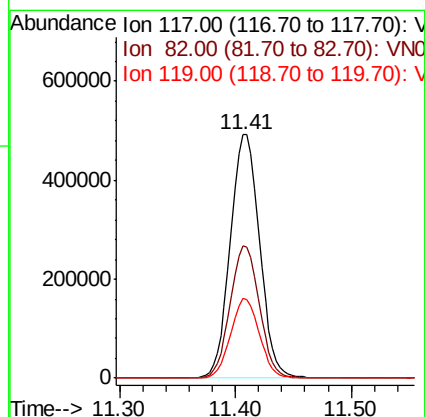
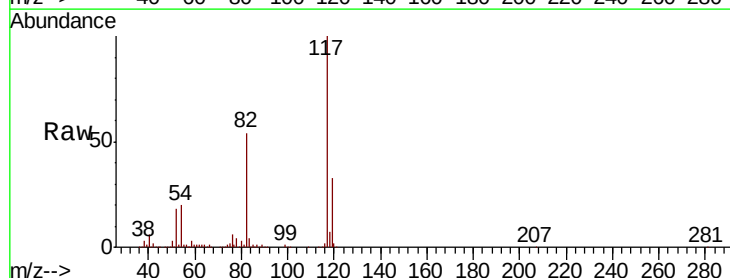
Tgt Ion:117 Resp: 857780

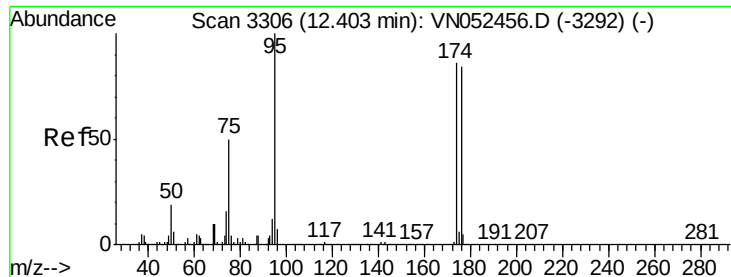
Ion Ratio Lower Upper

117 100

82 54.3 44.2 66.2

119 32.2 25.4 38.2





#60

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052534.D

Acq: 28 Nov 2018 22:34

Instrument :

MSVOA_N

ClientSampleId :

VN1128WBL02

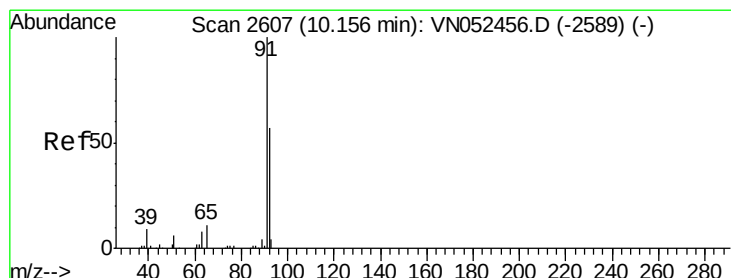
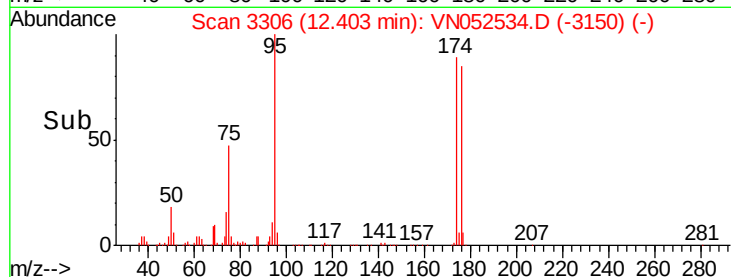
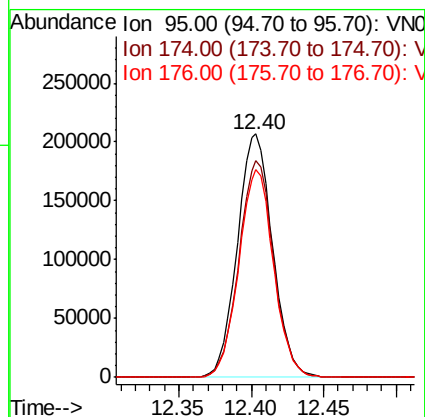
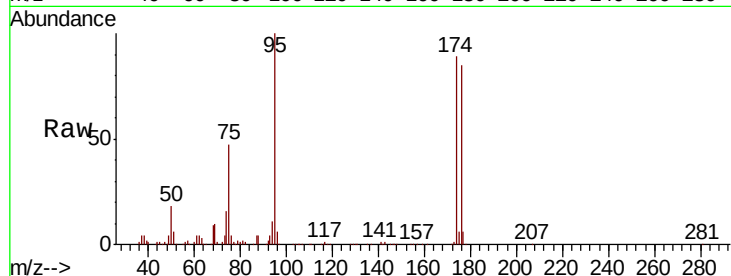
Tot Ion: 95 Resp: 348132

Ion Ratio Lower Upper

95 100

174 88.3 67.9 101.9

176 84.5 66.4 99.6



#62

Toluene

Concen: 0.277 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN052534.D

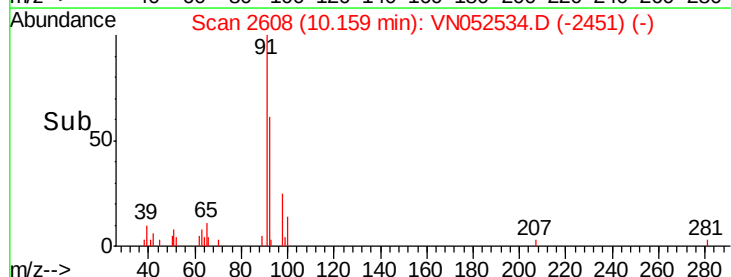
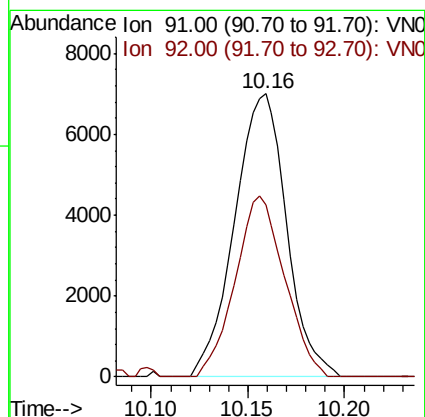
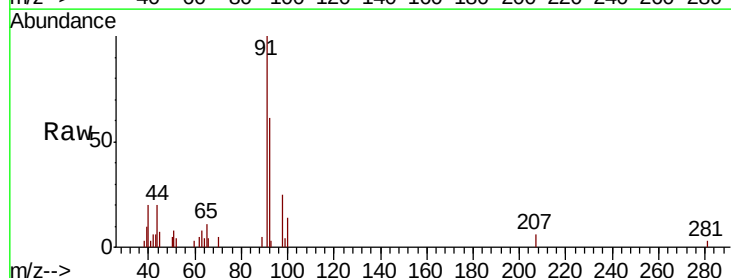
Acq: 28 Nov 2018 22:34

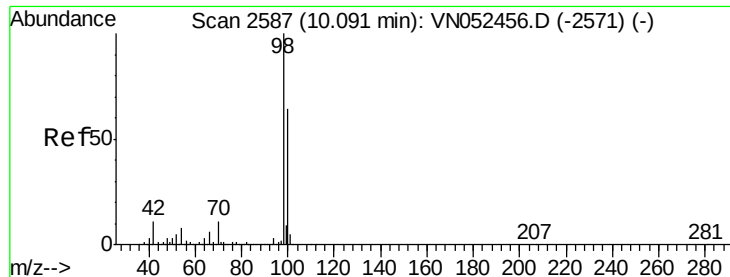
Tgt Ion: 91 Resp: 13097

Ion Ratio Lower Upper

91 100

92 60.9 45.4 68.2





#63

Toluene-d8

Concen: 0.277 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052534.D

Acq: 28 Nov 2018 22:34

Instrument :

MSVOA_N

ClientSampleId :

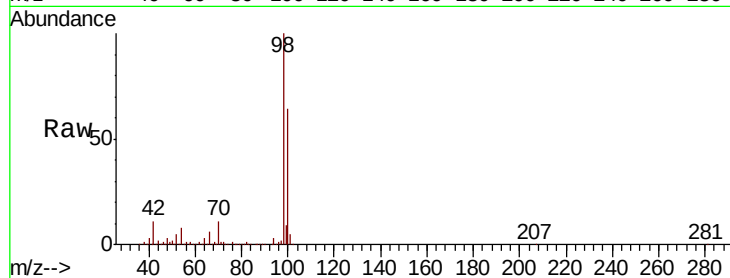
VN1128WBL02

Tot Ion: 98 Resp: 1207238

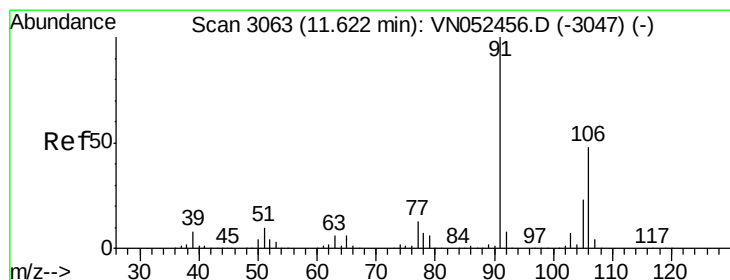
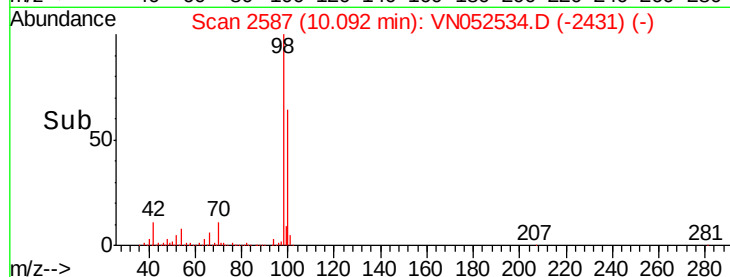
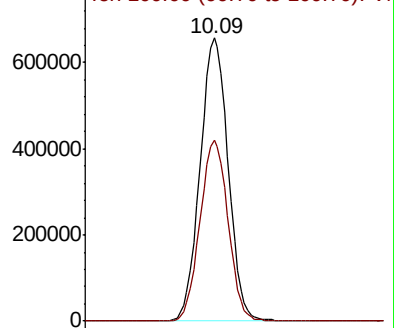
Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN052456.D (-2571) (-)



#67

m/p-Xylenes

Concen: 0.311 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052534.D

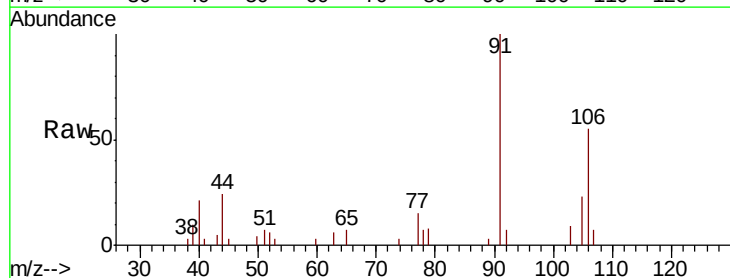
Acq: 28 Nov 2018 22:34

Tgt Ion: 106 Resp: 5913

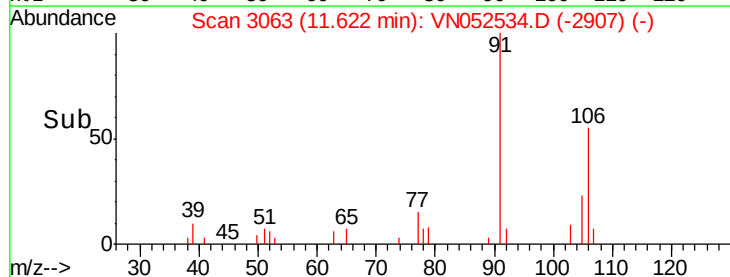
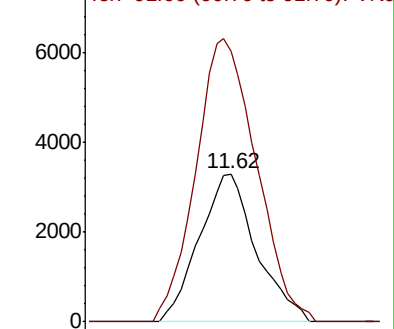
Ion Ratio Lower Upper

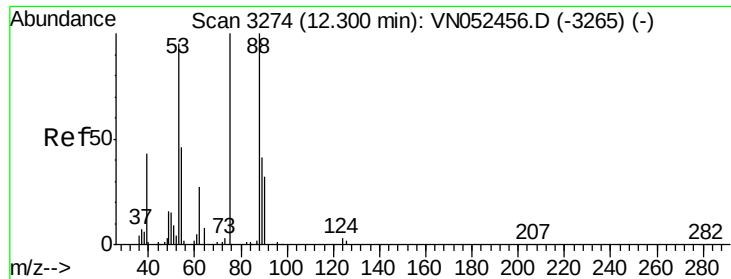
106 100

91 202.9 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): VN052456.D (-3047) (-)





#77
t-1,4-Dichloro-2-butene
Concen: 56.838 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN052534.D
Acq: 28 Nov 2018 22:34

Instrument :
MSVOA_N
ClientSampleId :
VN1128WBL02

Tot Ion: 75 Resp: 164399
Ion Ratio Lower Upper
75 100
53 0.0 48.5 145.6#
89 0.0 21.7 65.1#

