

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052543.D
 Acq On : 29 Nov 2018 2:33
 Operator : MD\SY
 Sample : J6120-01DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1DL

Quant Time: Nov 29 02:59:40 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	177475	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1028804	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	850779	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	361963	29.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.77%
60) 4-Bromofluorobenzene	12.40	95	341006	26.22	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.40%
63) Toluene-d8	10.09	98	1188902	30.14	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.47%

Target Compounds

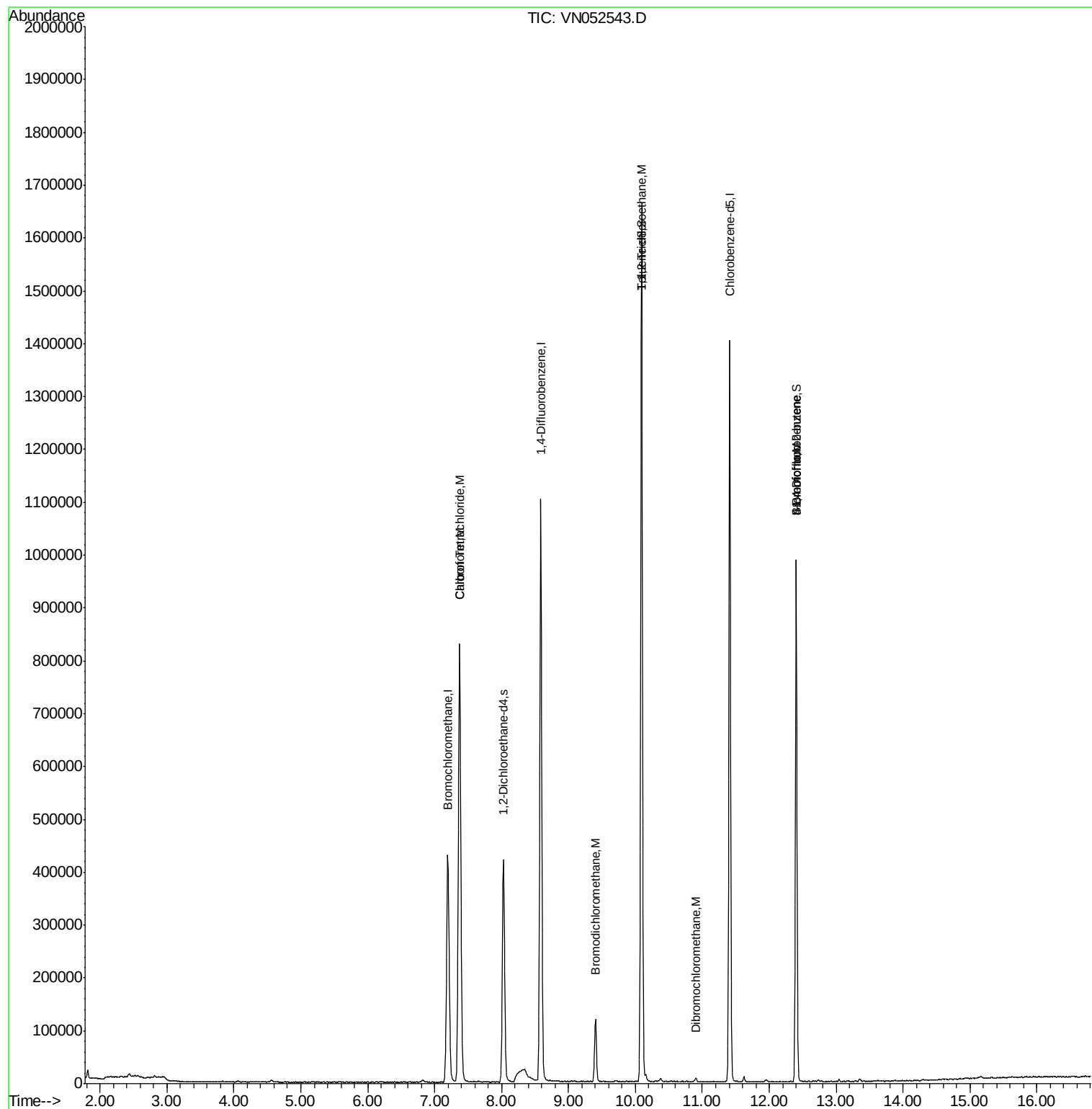
					Ovalue
25) Chloroform	7.37	83	898503	44.800	ug/l 100
33) Carbon Tetrachloride	7.37	117	10550	0.738	ug/l 98
41) Bromodichloromethane	9.40	83	86233	5.704	ug/l 98
50) 1,1,2-Trichloroethane	10.10	97	35765	3.687	ug/l # 1
53) Dibromochloromethane	10.90	129	4112	0.385	ug/l 93
56) Bromoform	12.40	173	2185	0.313	ug/l # 1
77) t-1,4-Dichloro-2-butene	12.40	75	161250	56.208	ug/l # 11

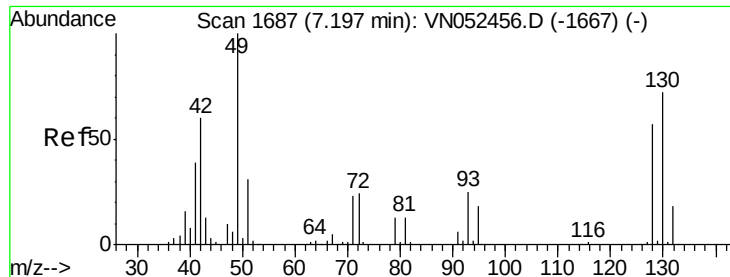
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112818\
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 41 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
14B-1DL

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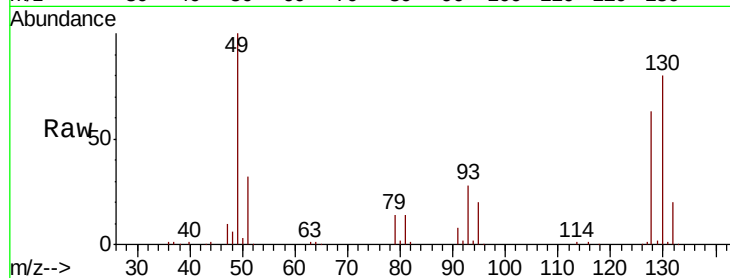




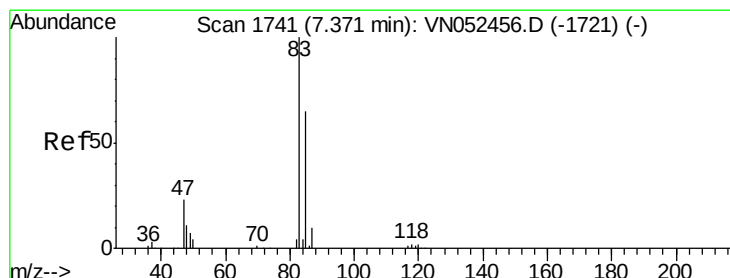
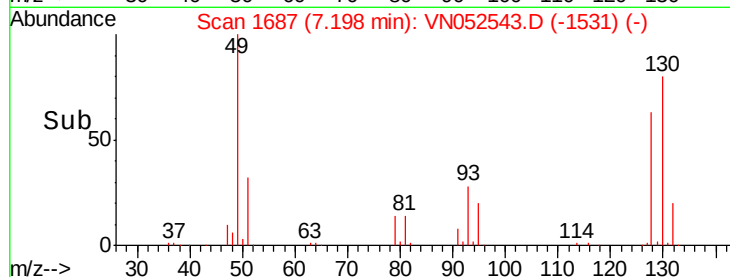
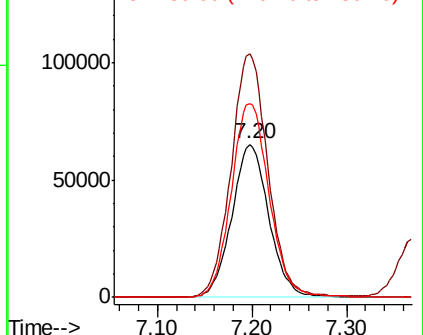
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052543.D
Acq: 29 Nov 2018 2:33

Instrument :
MSVOA_N
ClientSampled :
14B-1DL

Tot Ion:128 Resp: 177475
Ion Ratio Lower Upper
128 100
49 159.1 0.0 431.8
130 129.3 0.0 317.0

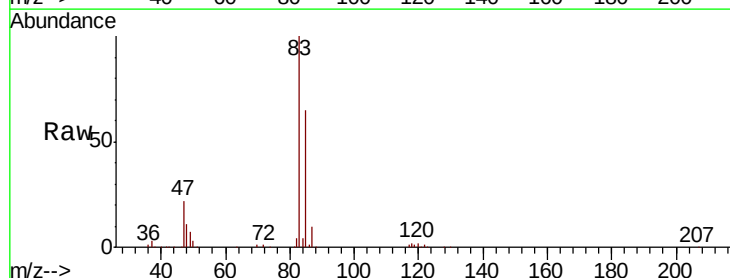


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): V
Ion 130.00 (129.70 to 130.70): V

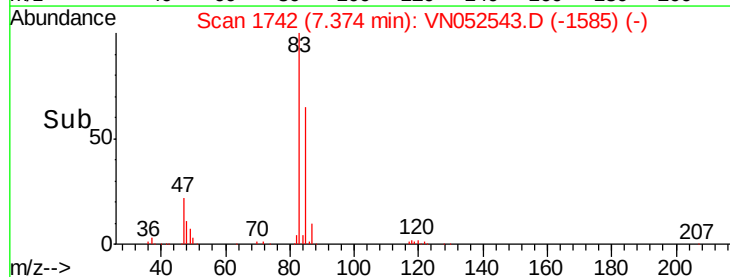
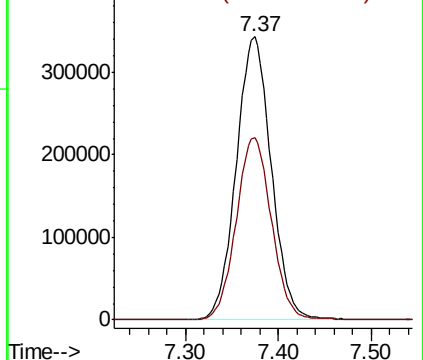


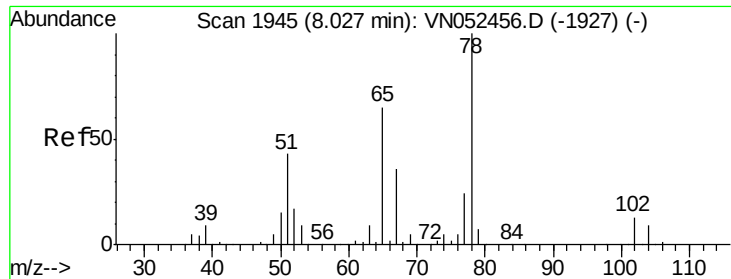
#25
Chloroform
Concen: 44.800 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052543.D
Acq: 29 Nov 2018 2:33

Tgt Ion: 83 Resp: 898503
Ion Ratio Lower Upper
83 100
85 64.6 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 85.00 (84.70 to 85.70): V

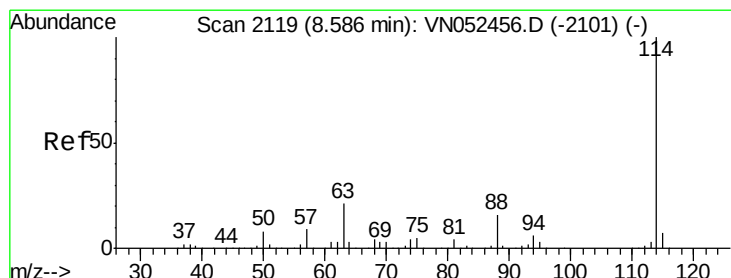
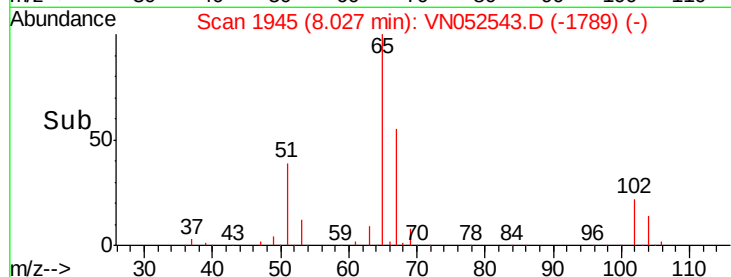
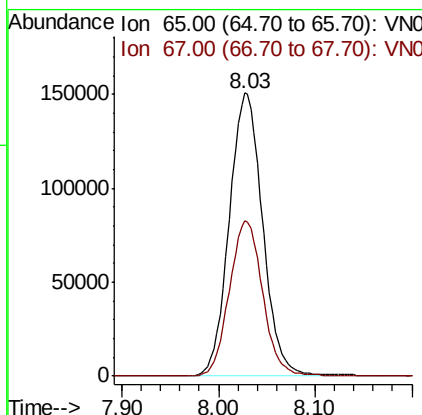
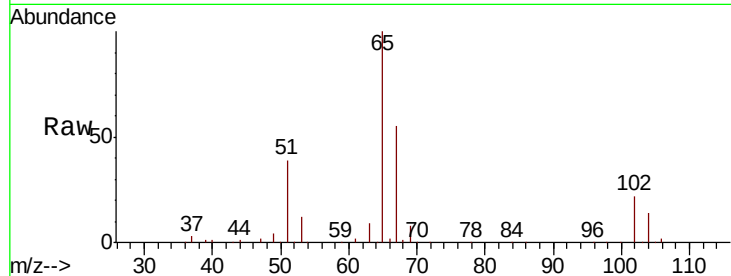




#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052543.D
 Acq: 29 Nov 2018 2:33

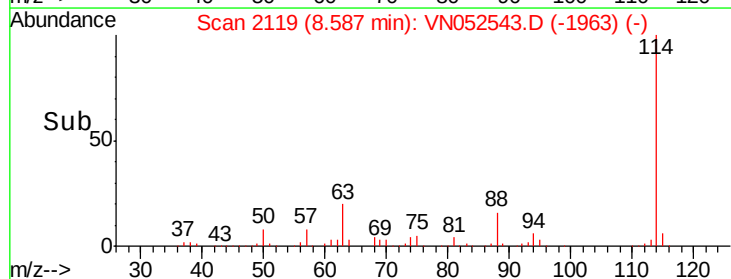
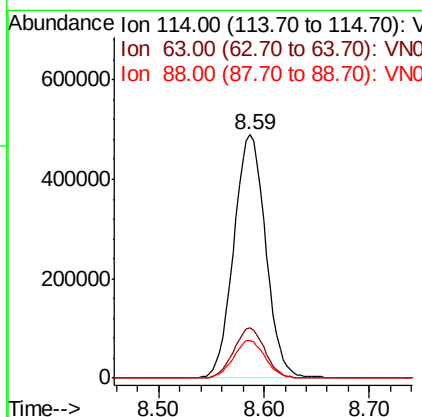
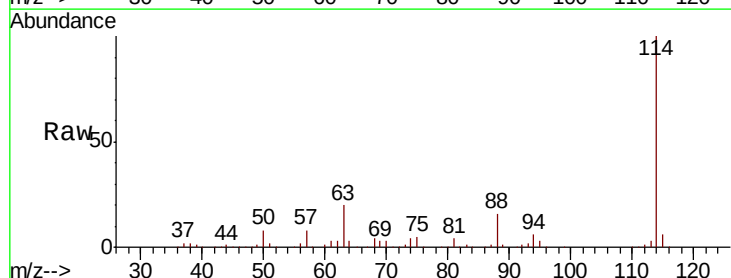
Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1DL

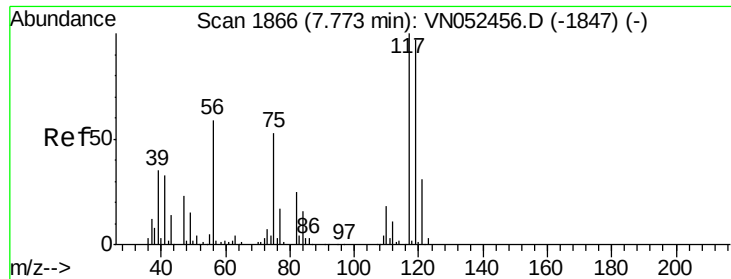
Tot Ion: 65 Resp: 361963
 Ion Ratio Lower Upper
 65 100
 67 54.6 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052543.D
 Acq: 29 Nov 2018 2:33

Tgt Ion: 114 Resp: 1028804
 Ion Ratio Lower Upper
 114 100
 63 20.1 16.9 25.3
 88 15.4 12.8 19.2

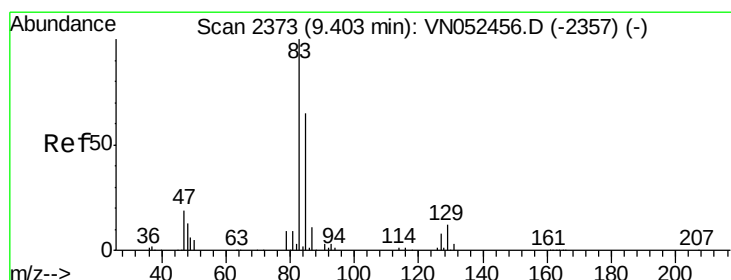
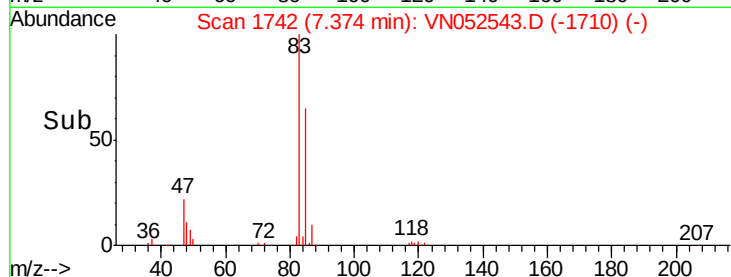
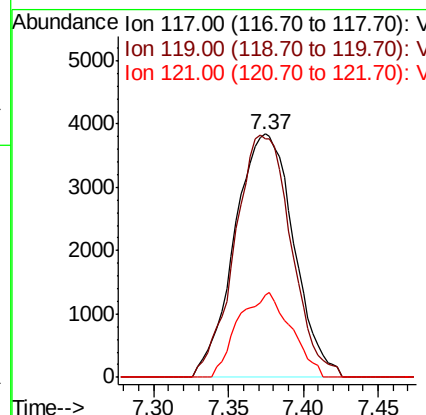
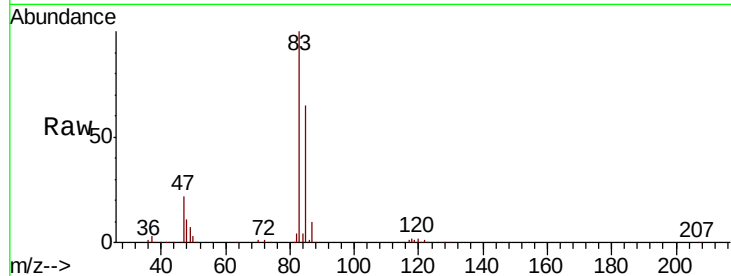




#33
Carbon Tetrachloride
Concen: 0.738 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.40 min
Lab File: VN052543.D
Acq: 29 Nov 2018 2:33

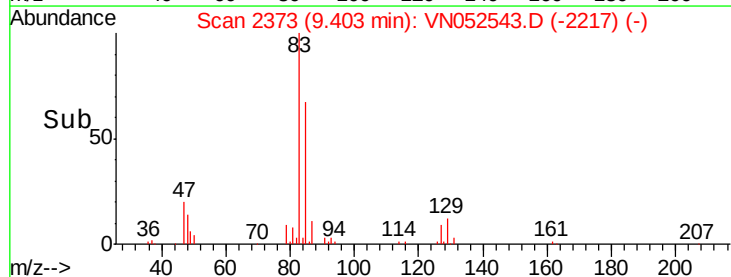
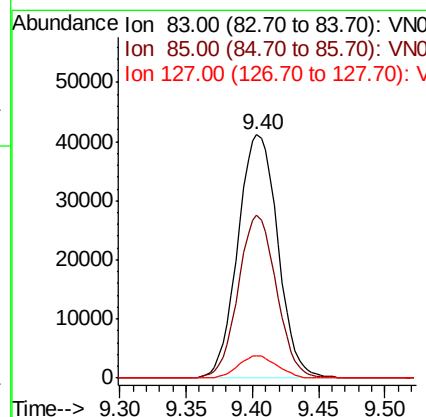
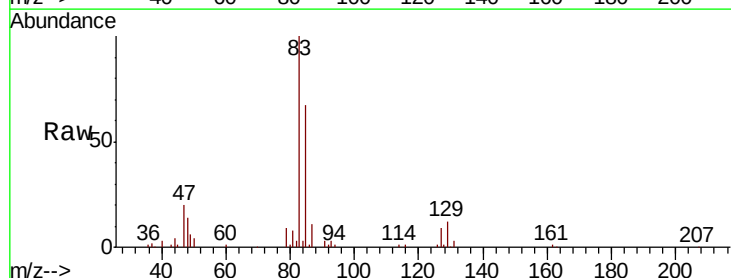
Instrument :
MSVOA_N
ClientSampled :
14B-1DL

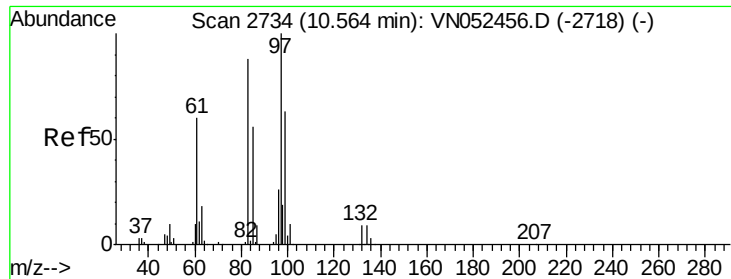
Tot Ion:117 Resp: 10550
Ion Ratio Lower Upper
117 100
119 97.9 77.3 115.9
121 33.9 24.9 37.3



#41
Bromodichloromethane
Concen: 5.704 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052543.D
Acq: 29 Nov 2018 2:33

Tgt Ion: 83 Resp: 86233
Ion Ratio Lower Upper
83 100
85 66.7 52.4 78.6
127 9.2 6.6 9.8





#50

1,1,2-Trichloroethane

Concen: 3.687 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.47 min

Lab File: VN052543.D

Acq: 29 Nov 2018 2:33

Instrument :

MSVOA_N

ClientSampleId :

14B-1DL

Tot Ion: 97 Resp: 35765

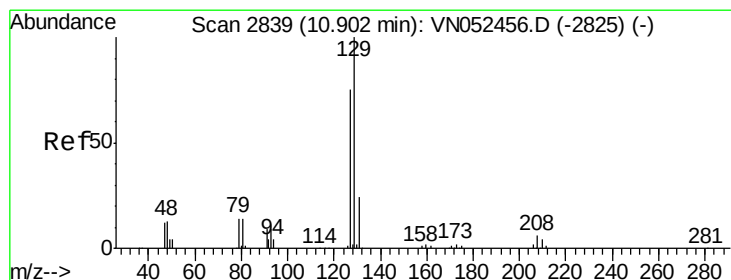
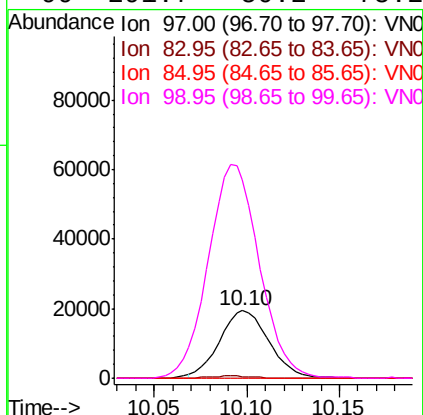
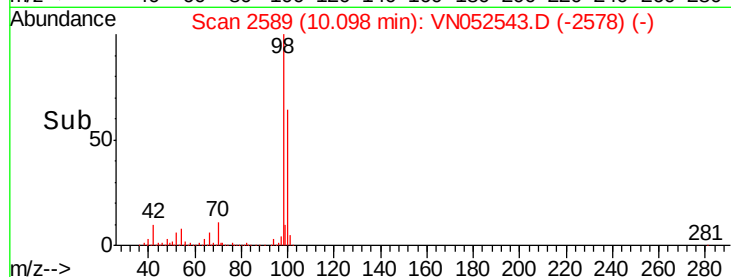
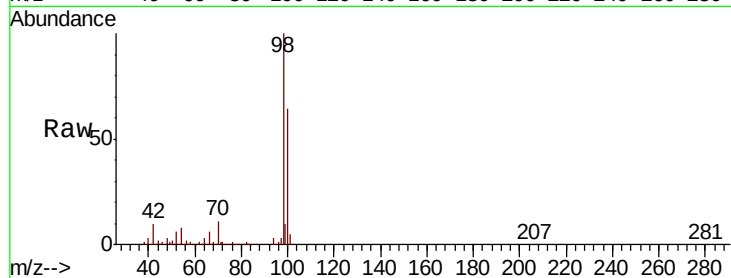
Ion Ratio Lower Upper

97 100

83 2.4 70.4 105.6#

85 0.0 45.0 67.6#

99 291.7 50.2 75.2#



#53

Dibromochloromethane

Concen: 0.385 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN052543.D

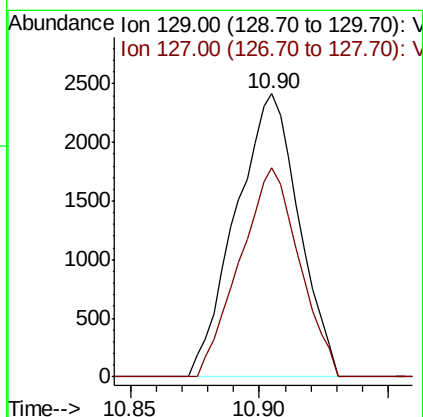
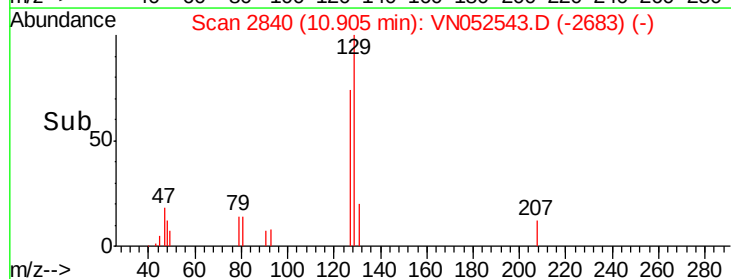
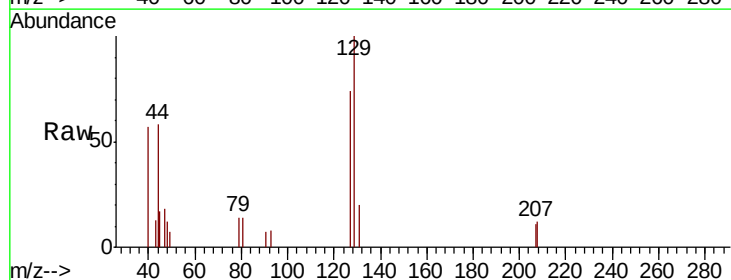
Acq: 29 Nov 2018 2:33

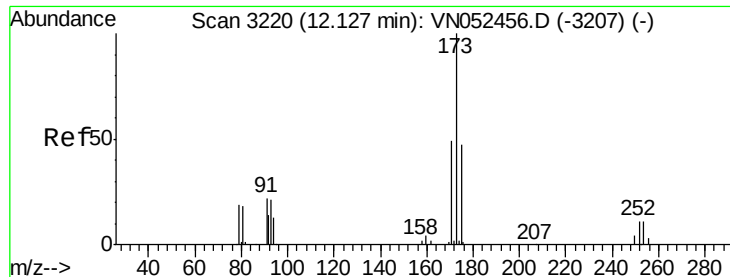
Tgt Ion: 129 Resp: 4112

Ion Ratio Lower Upper

129 100

127 69.6 37.6 112.8

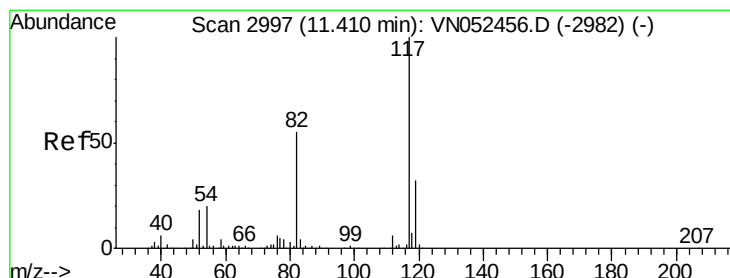
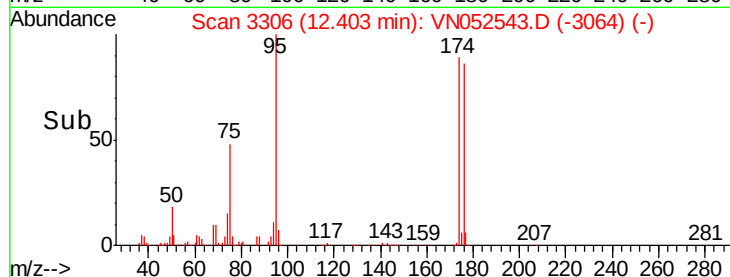
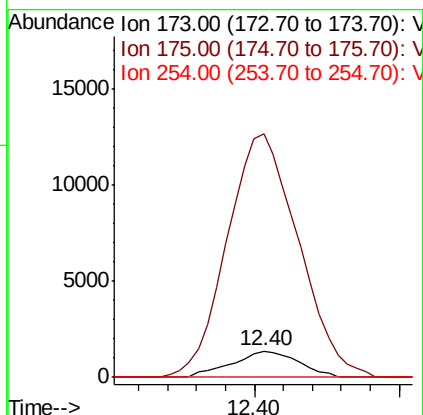
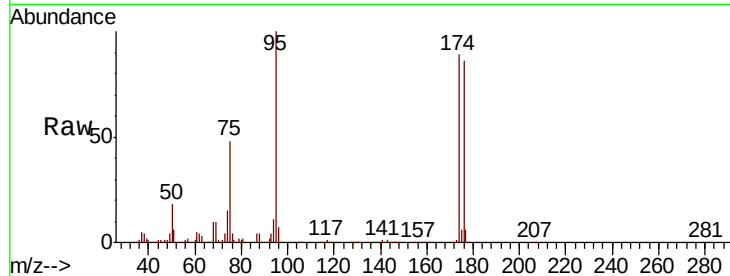




#56
Bromoform
Concen: 0.313 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052543.D
Acq: 29 Nov 2018 2:33

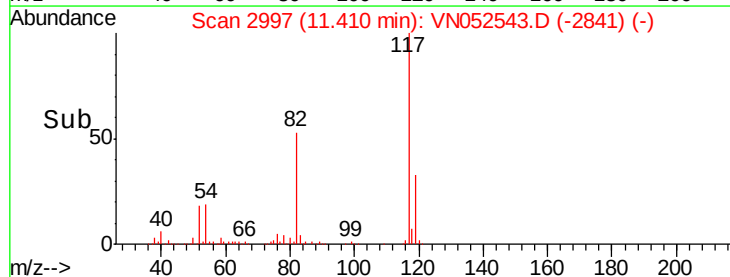
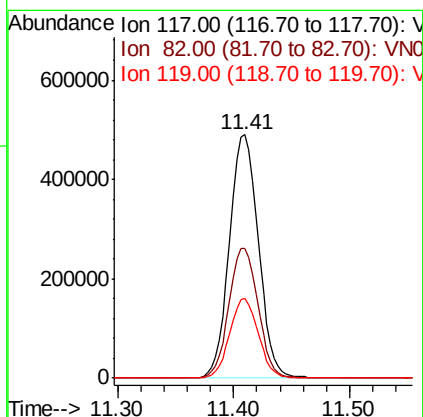
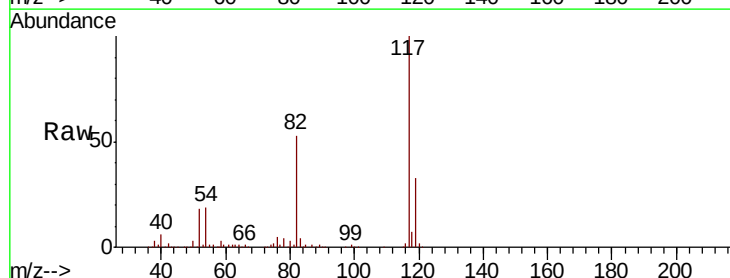
Instrument :
MSVOA_N
ClientSampled :
14B-1DL

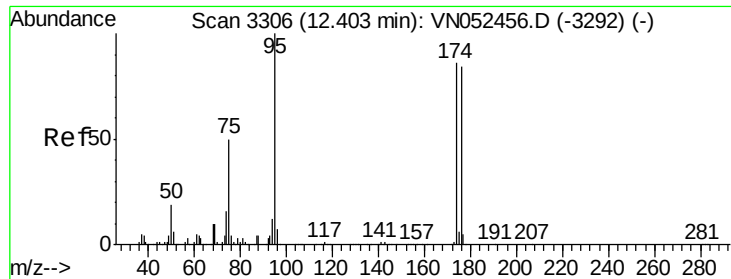
Tot Ion:173 Resp: 2185
Ion Ratio Lower Upper
173 100
175 989.7 38.7 58.1#
254 0.0 8.4 12.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052543.D
Acq: 29 Nov 2018 2:33

Tgt Ion:117 Resp: 850779
Ion Ratio Lower Upper
117 100
82 53.7 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: VN052543.D

Acq: 29 Nov 2018 2:33

Instrument :

MSVOA_N

ClientSampled :

14B-1DL

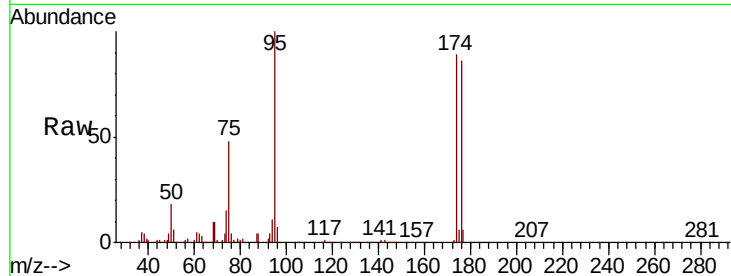
Tot Ion: 95 Resp: 341006

Ion Ratio Lower Upper

95 100

174 89.0 67.9 101.9

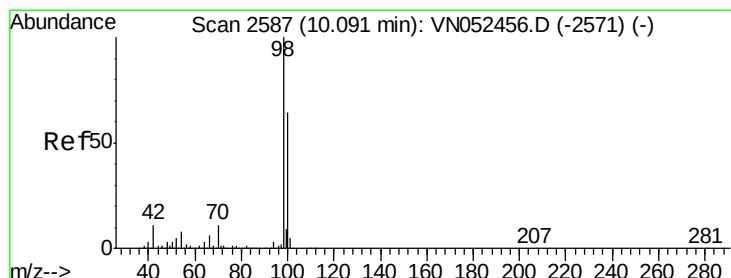
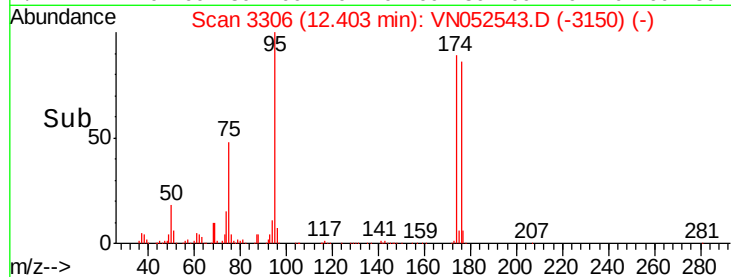
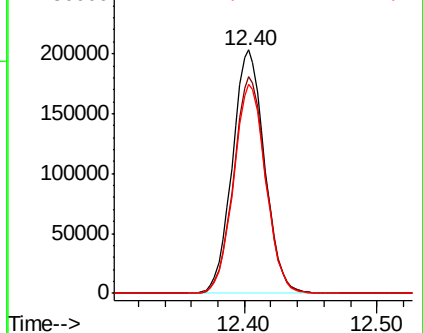
176 85.8 66.4 99.6



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: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052543.D

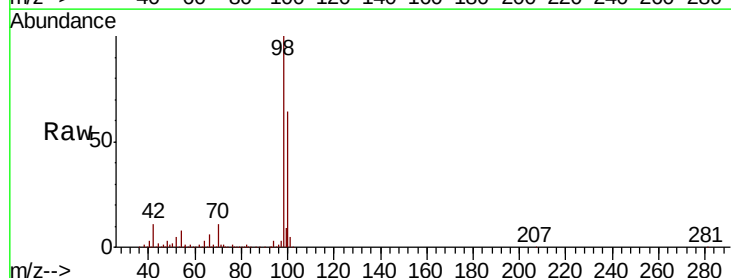
Acq: 29 Nov 2018 2:33

Tgt Ion: 98 Resp: 1188902

Ion Ratio Lower Upper

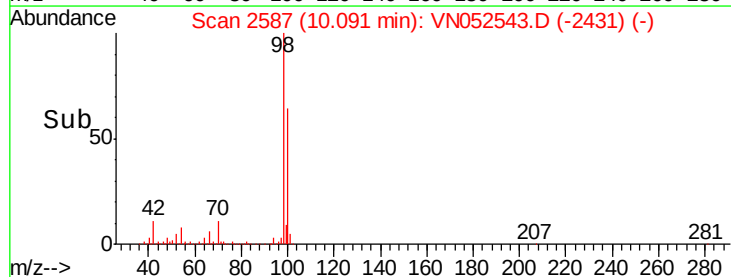
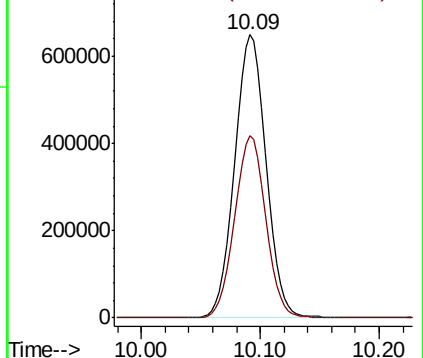
98 100

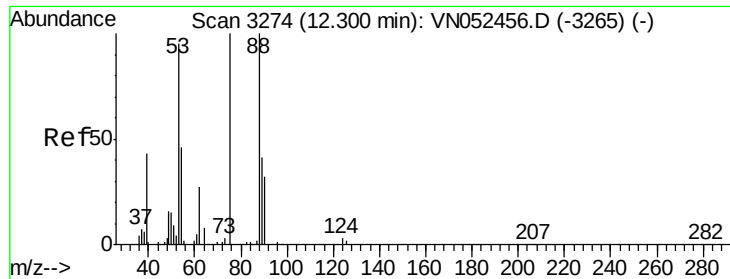
100 63.7 51.1 76.7



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: 56.208 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN052543.D
Acq: 29 Nov 2018 2:33

Instrument :
MSVOA_N
ClientSampleId :
14B-1DL

Tot Ion: 75 Resp: 161250
Ion Ratio Lower Upper
75 100
53 0.0 48.5 145.6#
89 0.0 21.7 65.1#

