

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121520\
 Data File : VN065153.D
 Acq On : 15 Dec 2020 19:46
 Operator : JC/MD
 Sample : L5051-04 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

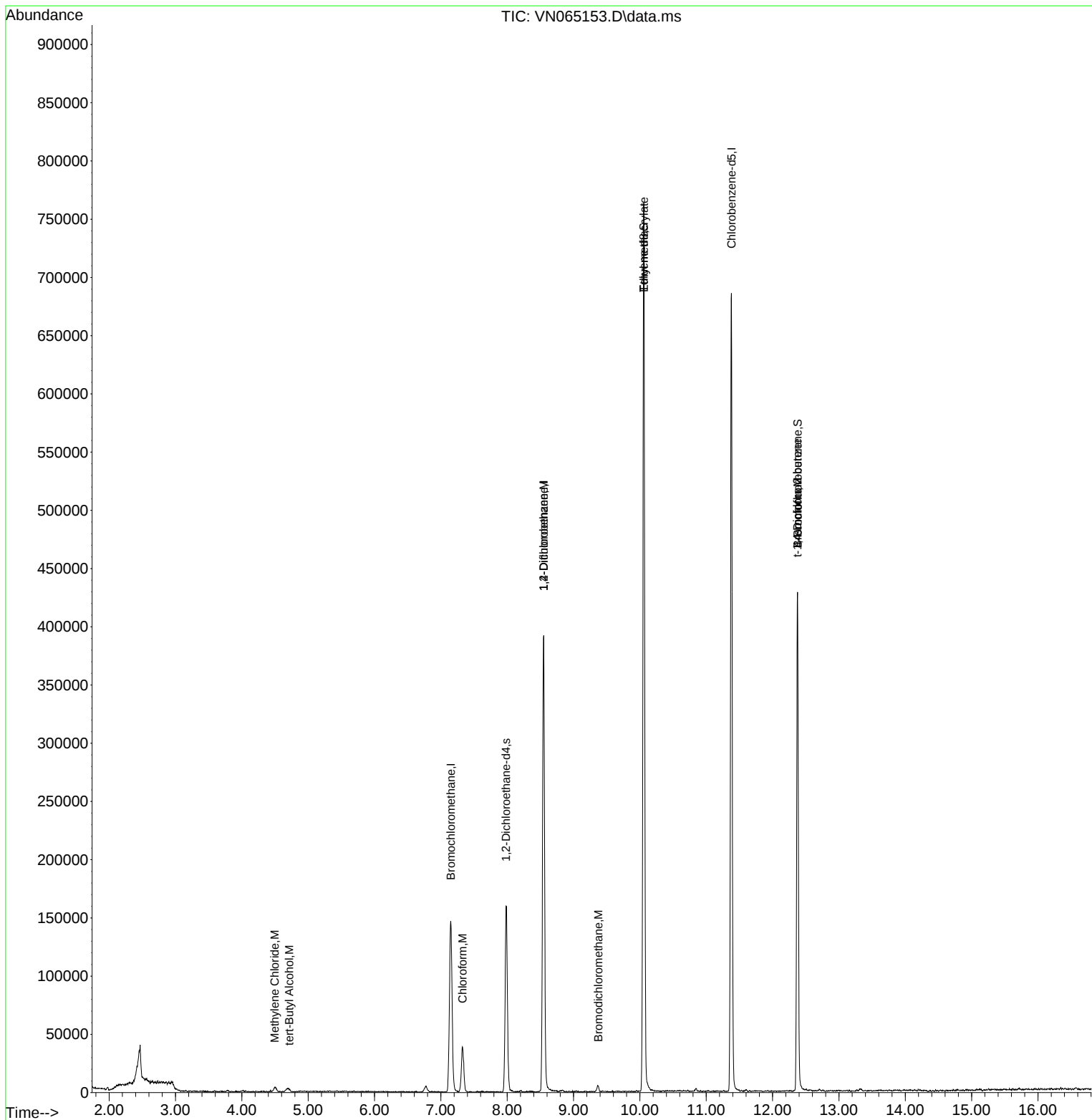
Quant Time: Dec 16 07:19:25 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Dec 15 15:18:54 2020
 Response via : Initial Calibration

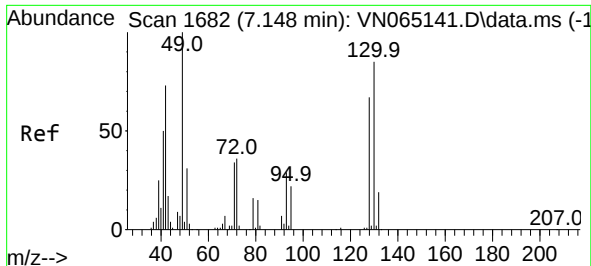
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.152	128	58959	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	352286	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	415900	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.984	65	143847	35.64	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	118.80%#	
60) 4-Bromofluorobenzene	12.376	95	158510	24.26	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	80.87%	
63) Toluene-d8	10.058	98	561453	27.96	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	93.20%	
Target Compounds						
18) Methylene Chloride	4.496	84	1170	0.32	ug/l	Qvalue 95
23) tert-Butyl Alcohol	4.714	59	728	1.61	ug/l #	100
25) Chloroform	7.328	83	39551	6.18	ug/l	99
36) 1,2-Dichloroethane	8.550	62	12286	2.14	ug/l #	80
41) Bromodichloromethane	9.373	83	3609	0.56	ug/l #	94
51) Ethyl methacrylate	10.061	69	2126	0.39	ug/l	75
56) Bromoform	12.376	173	1745	0.54	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.373	75	74571	32.38	ug/l #	9

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

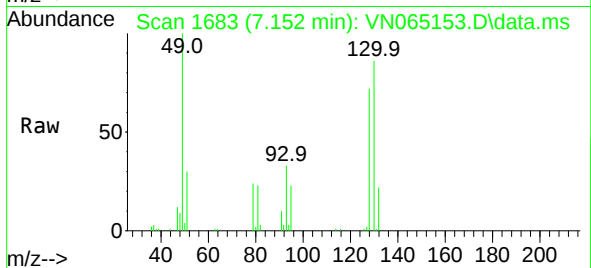
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Dec 15 15:18:54 2020
Response via : Initial Calibration



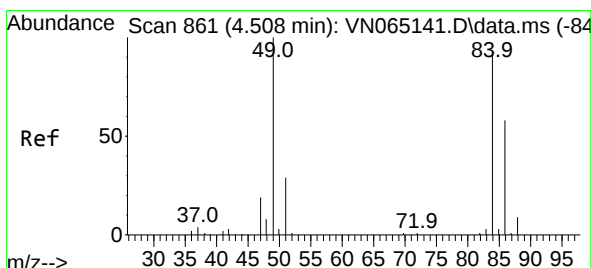
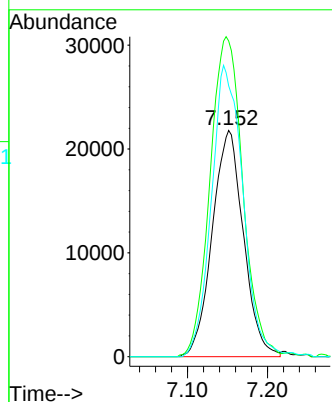
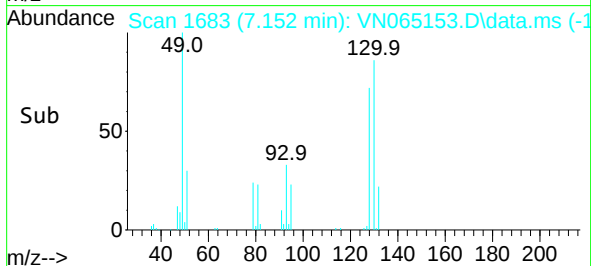


#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.152 min Scan# 1683
Delta R.T. 0.004 min
Lab File: VN065153.D
Acq: 15 Dec 2020 19:46

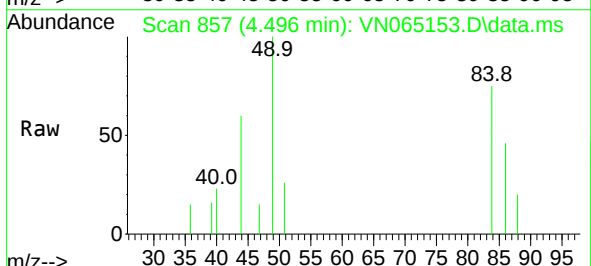
Instrument :
MSVOA_N
ClientSampled :



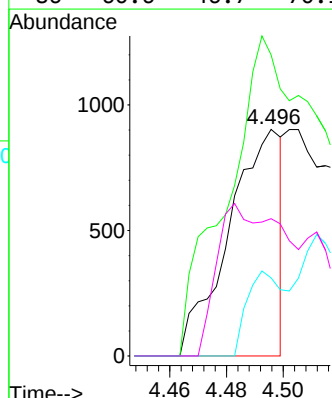
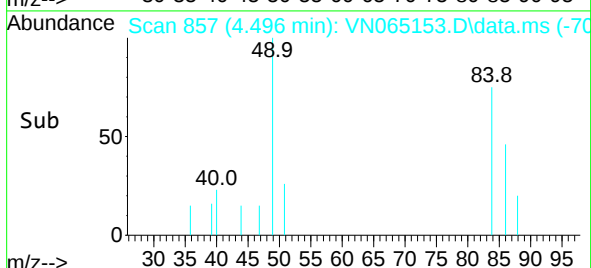
Tgt Ion:128 Resp: 58959
Ion Ratio Lower Upper
128 100
49 148.7 0.0 475.5
130 129.9 0.0 315.3

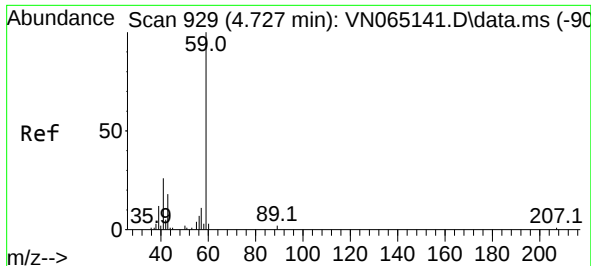


#18
Methylene Chloride
Concen: 0.32 ug/l
RT: 4.496 min Scan# 857
Delta R.T. -0.013 min
Lab File: VN065153.D
Acq: 15 Dec 2020 19:46



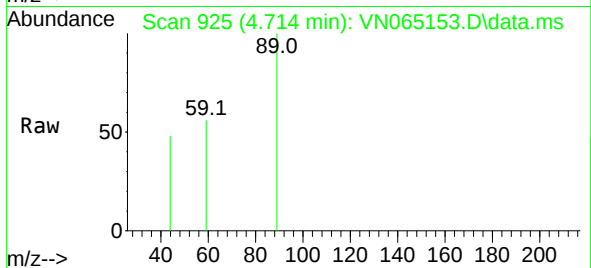
Tgt Ion: 84 Resp: 1170
Ion Ratio Lower Upper
84 100
49 132.9 102.1 153.1
51 34.4 32.6 48.8
86 60.6 46.7 70.1



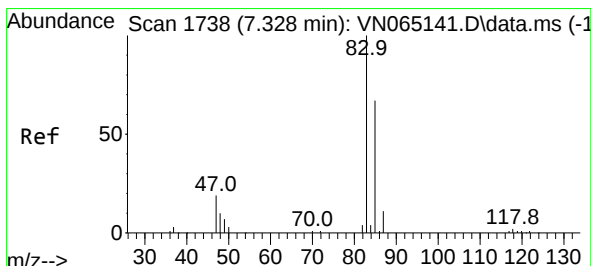
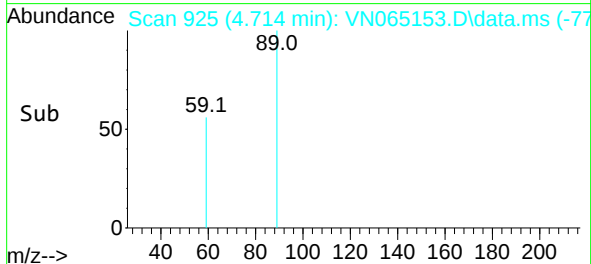
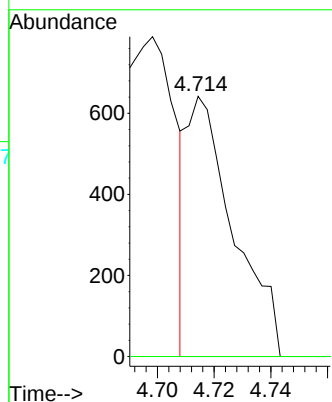


#23
tert-Butyl Alcohol
Concen: 1.61 ug/l
RT: 4.714 min Scan# 925
Delta R.T. -0.013 min
Lab File: VN065153.D
Acq: 15 Dec 2020 19:46

Instrument :
MSVOA_N
ClientSampleId :

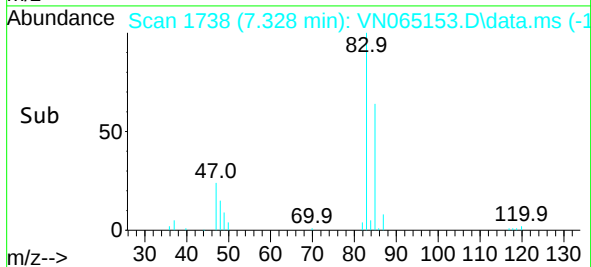
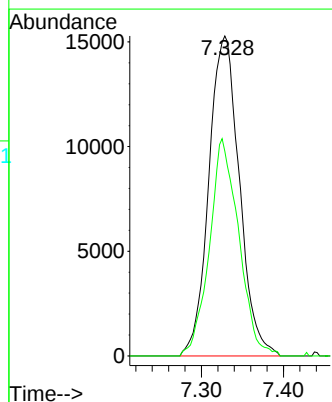
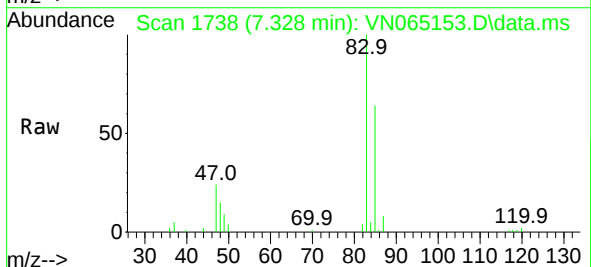


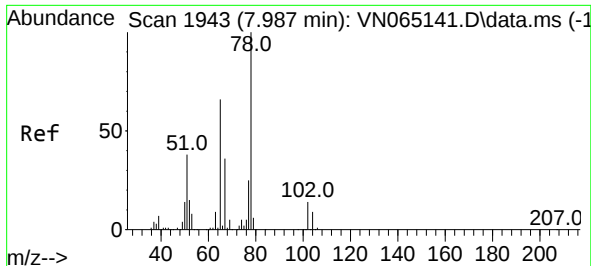
Tgt Ion: 59 Resp: 728
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 6.18 ug/l
RT: 7.328 min Scan# 1738
Delta R.T. 0.000 min
Lab File: VN065153.D
Acq: 15 Dec 2020 19:46

Tgt Ion: 83 Resp: 39551
Ion Ratio Lower Upper
83 100
85 64.0 50.6 75.8





#27

1,2-Dichloroethane-d4

Concen: 35.64 ug/l

RT: 7.984 min Scan# 1942

Delta R.T. -0.003 min

Lab File: VN065153.D

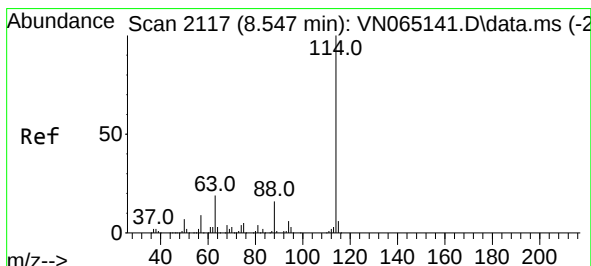
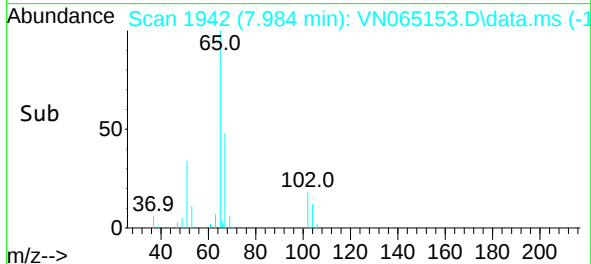
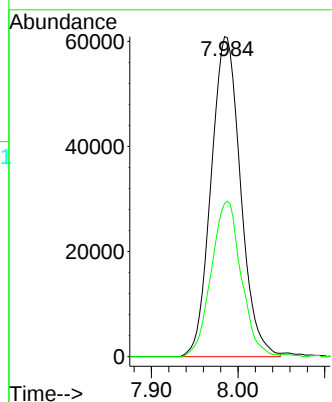
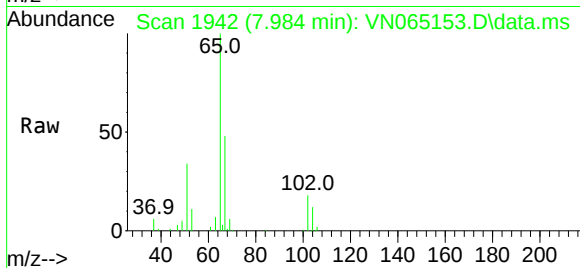
Acq: 15 Dec 2020 19:46

Tgt Ion: 65 Resp: 143847

Ion Ratio Lower Upper

65 100

67 49.3 41.1 61.7



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.550 min Scan# 2118

Delta R.T. 0.003 min

Lab File: VN065153.D

Acq: 15 Dec 2020 19:46

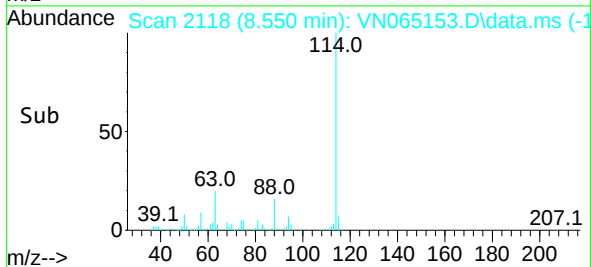
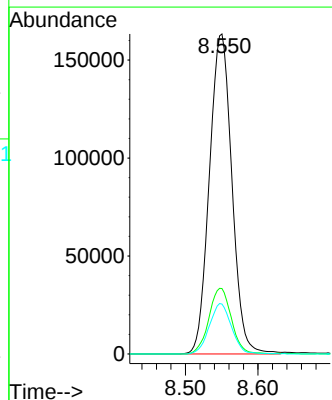
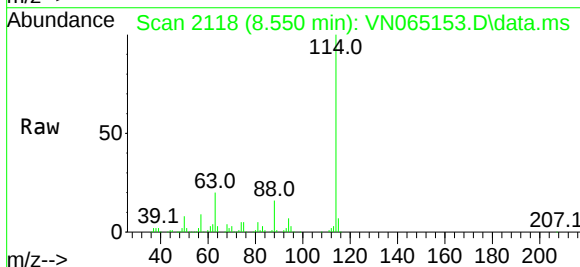
Tgt Ion: 114 Resp: 352286

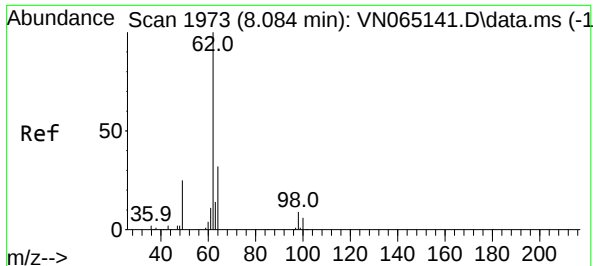
Ion Ratio Lower Upper

114 100

63 20.5 18.5 27.7

88 15.5 13.0 19.6





#36

1,2-Dichloroethane

Concen: 2.14 ug/l

RT: 8.550 min Scan# 2118

Delta R.T. 0.466 min

Lab File: VN065153.D

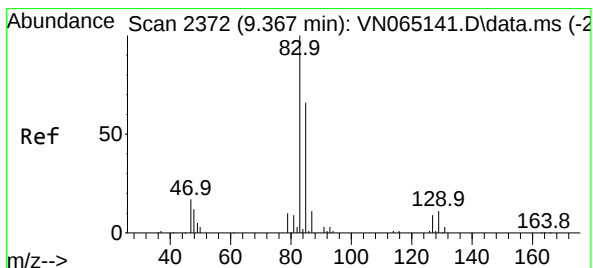
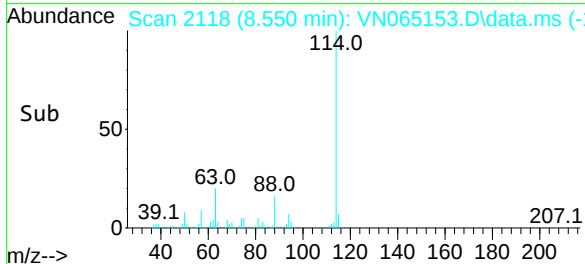
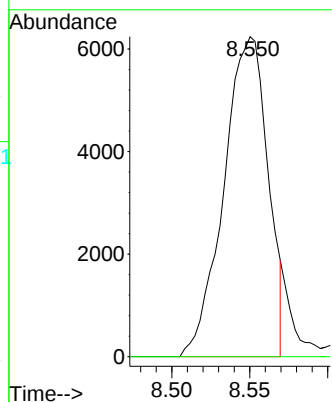
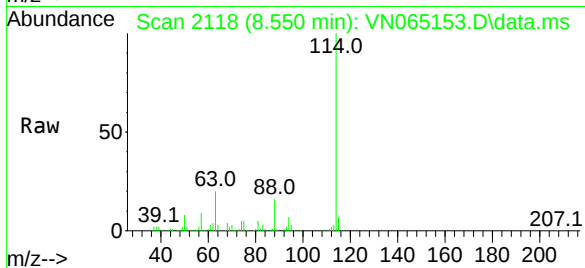
Acq: 15 Dec 2020 19:46

Tgt Ion: 62 Resp: 12286

Ion Ratio Lower Upper

62 100

98 0.0 5.5 8.3#



#41

Bromodichloromethane

Concen: 0.56 ug/l

RT: 9.373 min Scan# 2374

Delta R.T. 0.007 min

Lab File: VN065153.D

Acq: 15 Dec 2020 19:46

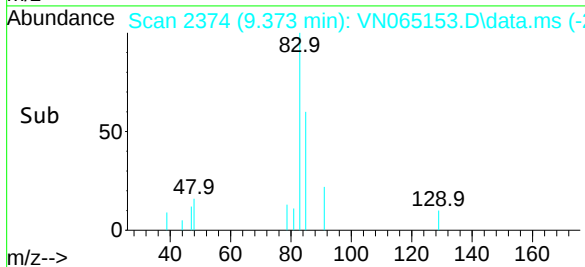
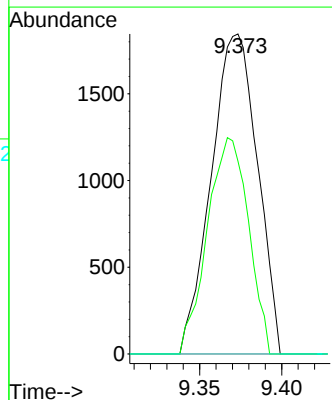
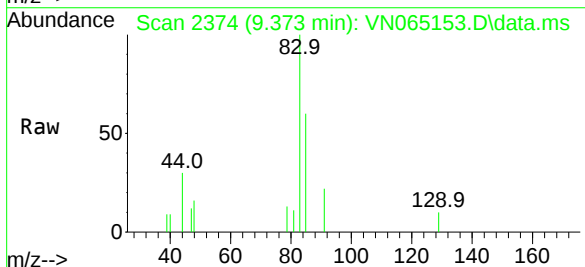
Tgt Ion: 83 Resp: 3609

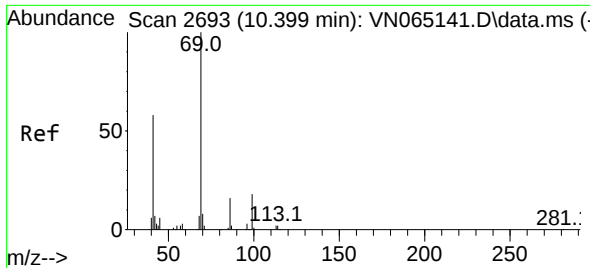
Ion Ratio Lower Upper

83 100

85 60.3 51.0 76.4

127 0.0 6.2 9.4#

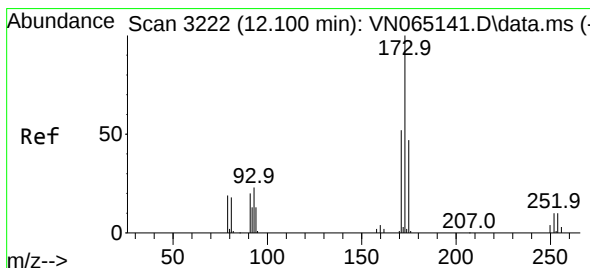
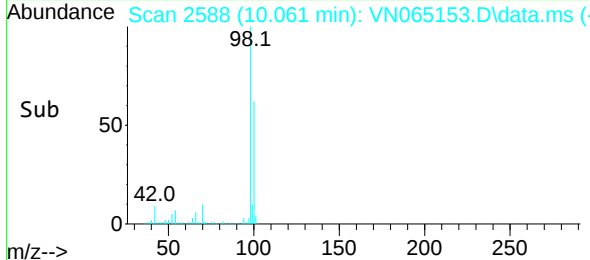
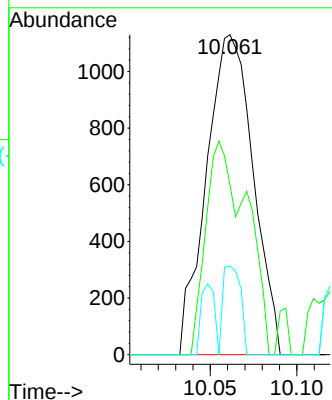
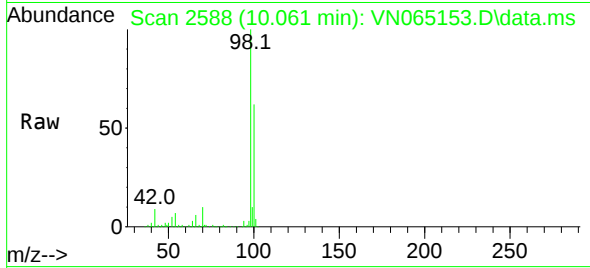




#51
Ethyl methacrylate
Concen: 0.39 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. -0.338 min
Lab File: VN065153.D
Acq: 15 Dec 2020 19:46

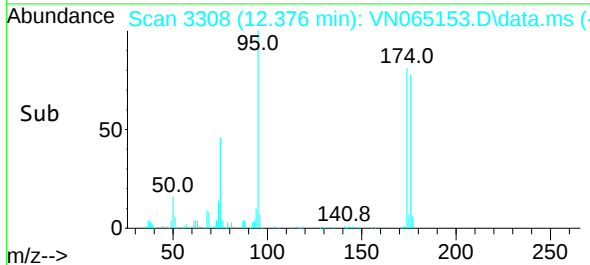
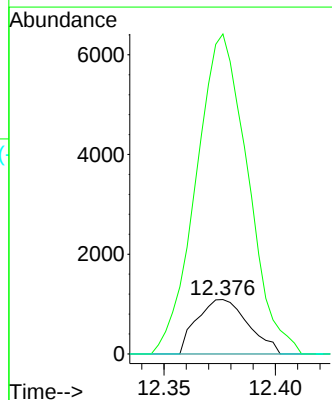
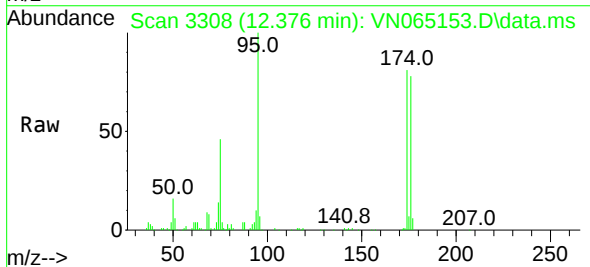
Instrument :
MSVOA_N
ClientSampled :

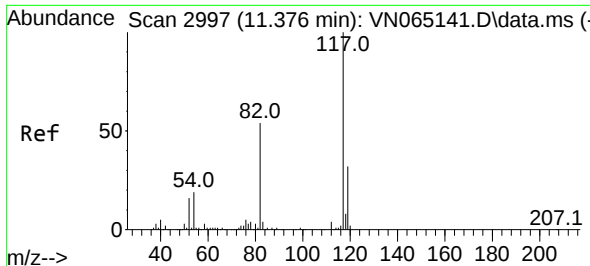
Tgt Ion: 69 Resp: 2126
Ion Ratio Lower Upper
69 100
41 53.1 35.4 106.1
39 27.7 24.1 72.2



#56
Bromoform
Concen: 0.54 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.277 min
Lab File: VN065153.D
Acq: 15 Dec 2020 19:46

Tgt Ion:173 Resp: 1745
Ion Ratio Lower Upper
173 100
175 593.7 37.1 55.7#
254 0.0 5.4 8.2#

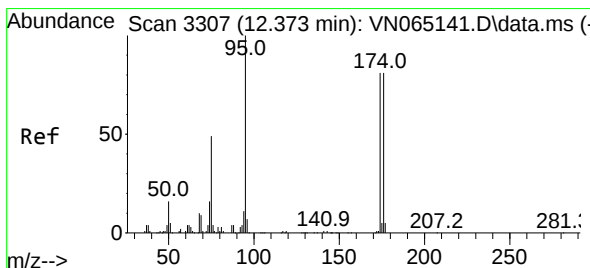
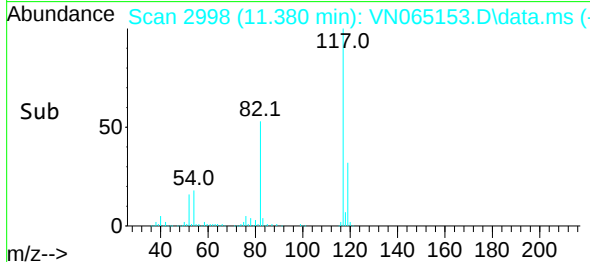
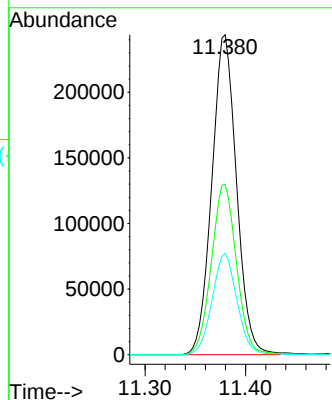
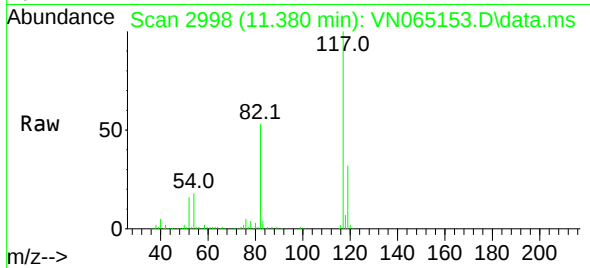




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.003 min
Lab File: VN065153.D
Acq: 15 Dec 2020 19:46

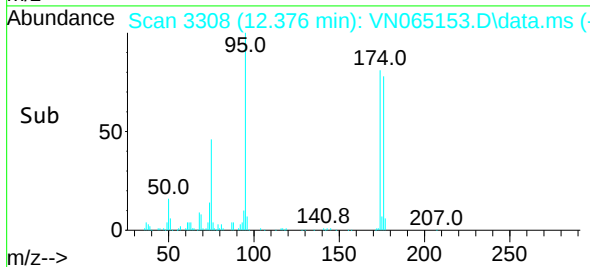
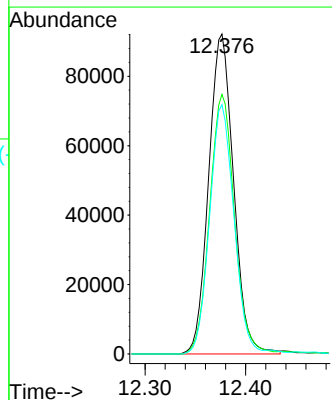
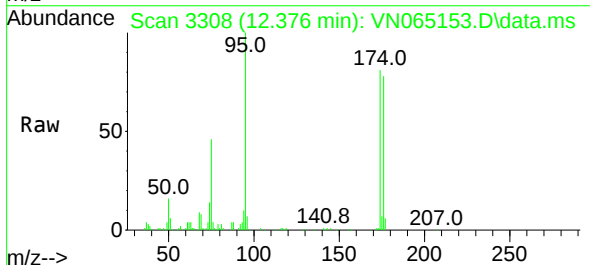
Instrument :
MSVOA_N
ClientSampled :

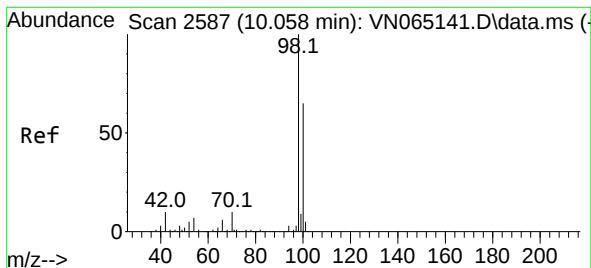
Tgt Ion:117 Resp: 415900
Ion Ratio Lower Upper
117 100
82 54.3 47.8 71.8
119 31.8 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 24.26 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.003 min
Lab File: VN065153.D
Acq: 15 Dec 2020 19:46

Tgt Ion: 95 Resp: 158510
Ion Ratio Lower Upper
95 100
174 80.9 56.4 84.6
176 76.1 53.3 79.9

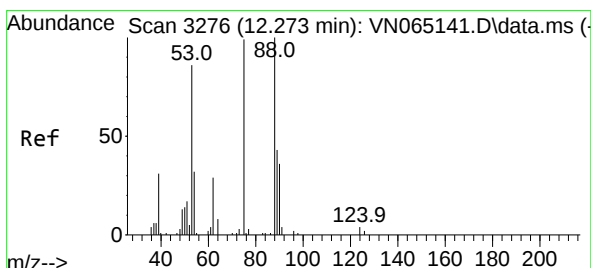
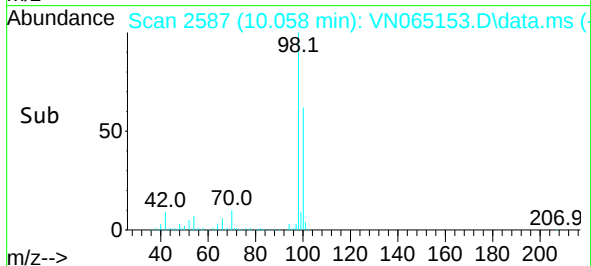
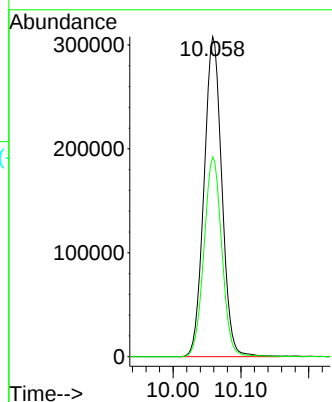
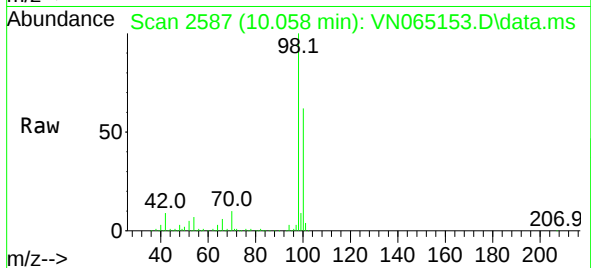




#63
Toluene-d8
Concen: 27.96 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065153.D
Acq: 15 Dec 2020 19:46

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 98 Resp: 561453
Ion Ratio Lower Upper
98 100
100 62.5 49.4 74.2



#77
t-1,4-Dichloro-2-butene
Concen: 32.38 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.100 min
Lab File: VN065153.D
Acq: 15 Dec 2020 19:46

Tgt Ion: 75 Resp: 74571
Ion Ratio Lower Upper
75 100
53 0.0 50.3 150.9#
89 0.0 23.3 69.8#

