

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122120\
 Data File : VN065182.D
 Acq On : 21 Dec 2020 15:55
 Operator : JC/MD
 Sample : L5153-01 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 22 05:37:24 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Dec 21 13:17:58 2020
 Response via : Initial Calibration

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

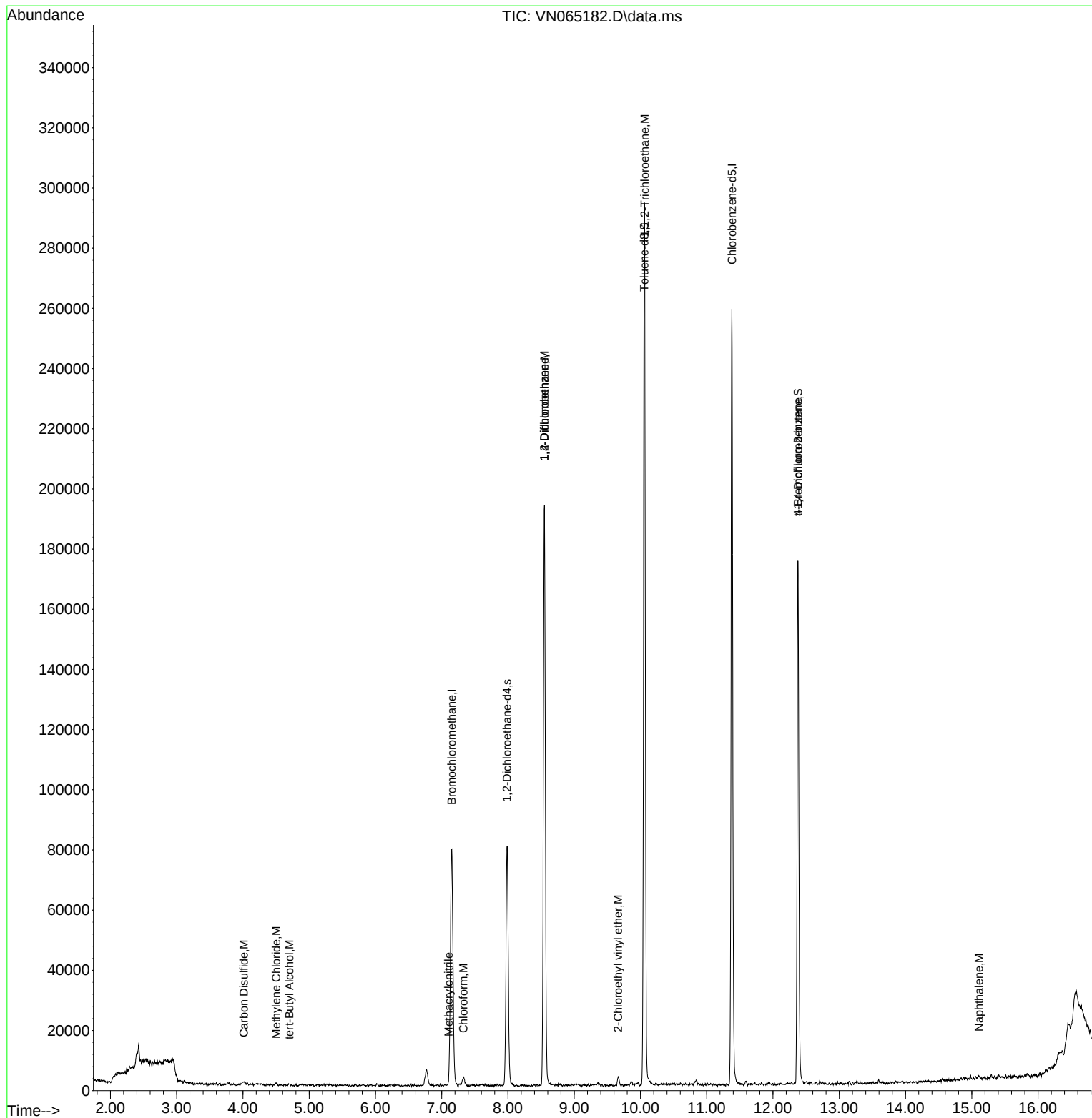
Internal Standards						
1) Bromochloromethane	7.151	128	32252	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	176853	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.379	117	151016	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.987	65	71426	30.52	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.73%
60) 4-Bromofluorobenzene	12.376	95	62341	25.95	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.50%
63) Toluene-d8	10.058	98	207816	31.03	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.43%
Target Compounds						
					Qvalue	
16) Carbon Disulfide	4.013	76	1470	0.30	ug/l #	74
18) Methylene Chloride	4.502	84	448	0.23	ug/l #	42
23) tert-Butyl Alcohol	4.701	59	269	0.76	ug/l #	100
25) Chloroform	7.325	83	3521	1.00	ug/l	94
35) Methacrylonitrile	7.103	41	235	0.21	ug/l #	26
36) 1,2-Dichloroethane	8.550	62	5673	1.99	ug/l #	80
50) 1,1,2-Trichloroethane	10.064	97	6689	3.51	ug/l #	1
55) 2-Chloroethyl vinyl ether	9.662	63	1490	1.01	ug/l #	88
77) t-1,4-Dichloro-2-butene	12.376	75	31732	33.60	ug/l #	9
91) Naphthalene	15.109	128	1162	0.22	ug/l #	70

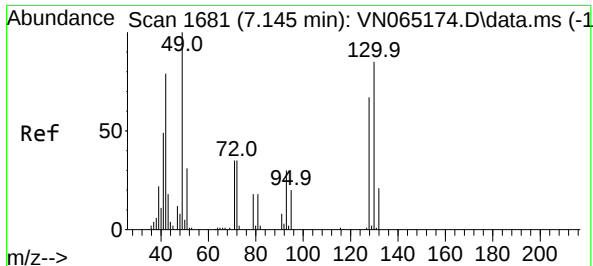
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122120\
Data File : VN065182.D
Acq On : 21 Dec 2020 15:55
Operator : JC/MD
Sample : L5153-01 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

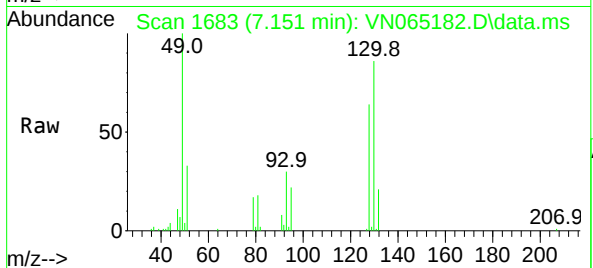
Quant Time: Dec 22 05:37:24 2020
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Dec 21 13:17:58 2020
Response via : Initial Calibration



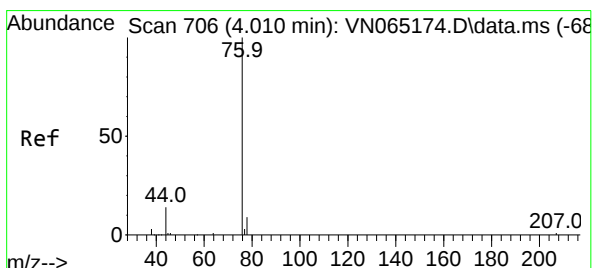
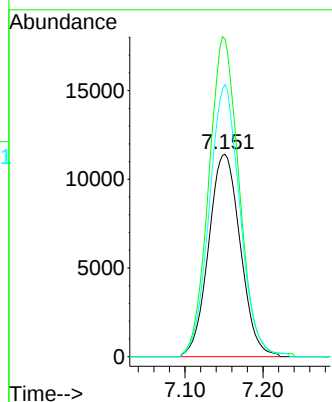
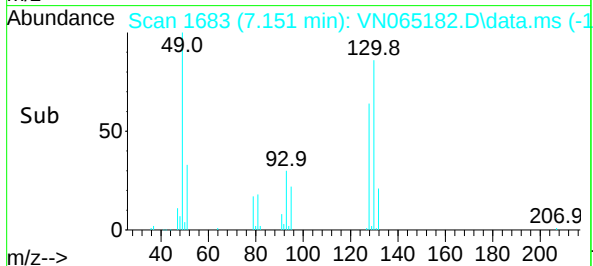


#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.151 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VN065182.D
Acq: 21 Dec 2020 15:55

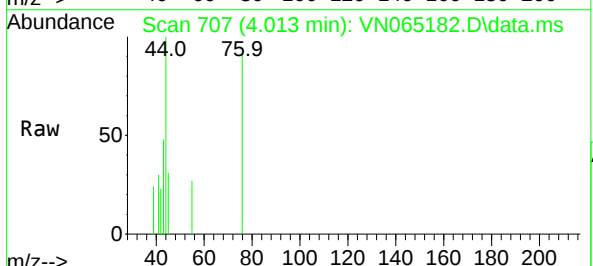
Instrument :
MSVOA_N
ClientSampled :



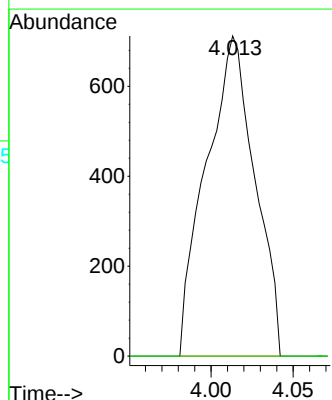
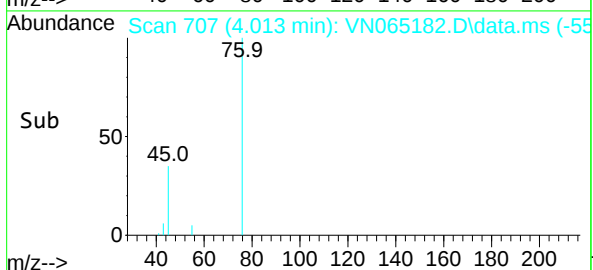
Tgt Ion:128 Resp: 32252
Ion Ratio Lower Upper
128 100
49 151.1 0.0 475.5
130 130.0 0.0 315.3

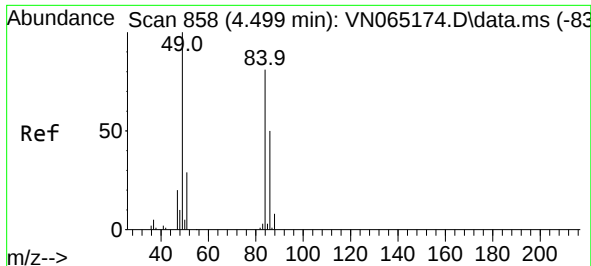


#16
Carbon Disulfide
Concen: 0.30 ug/l
RT: 4.013 min Scan# 707
Delta R.T. 0.003 min
Lab File: VN065182.D
Acq: 21 Dec 2020 15:55



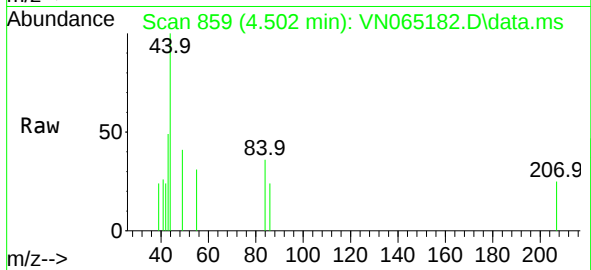
Tgt Ion: 76 Resp: 1470
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



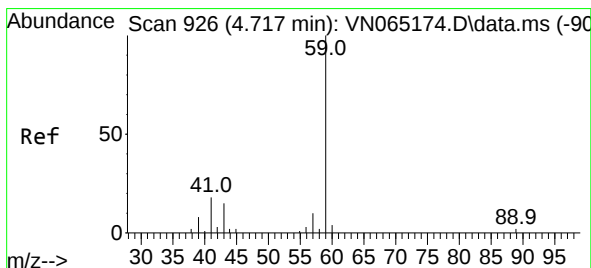
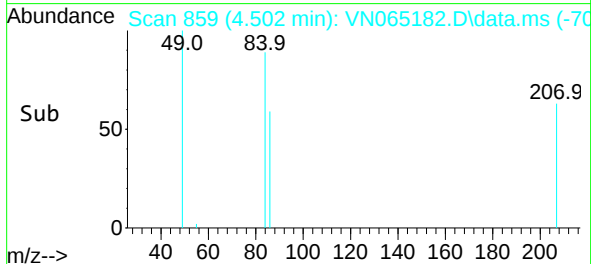
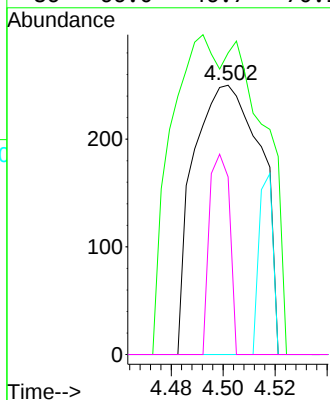


#18
Methylene Chloride
Concen: 0.23 ug/l
RT: 4.502 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN065182.D
Acq: 21 Dec 2020 15:55

Instrument :
MSVOA_N
ClientSampled :

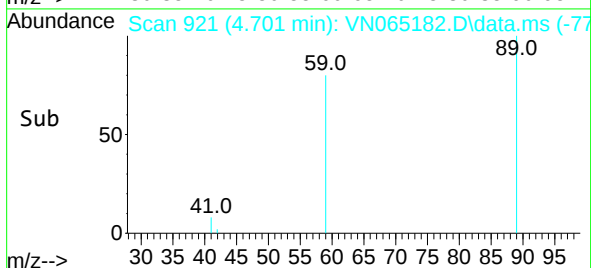
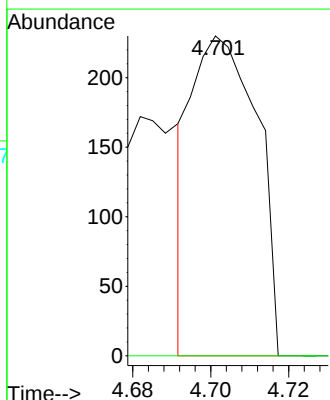
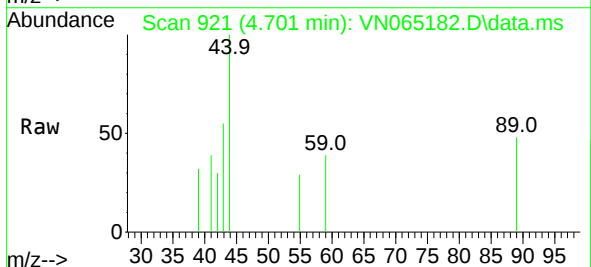


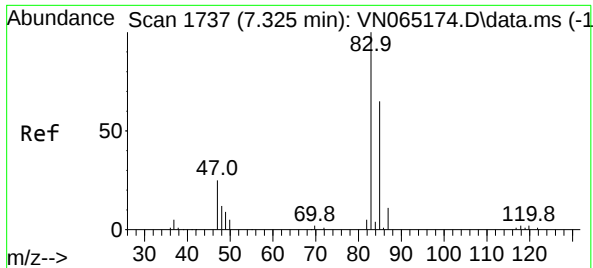
Tgt Ion:	84	Resp:	448
Ion	Ratio	Lower	Upper
84	100		
49	38.4	102.1	153.1#
51	0.0	32.6	48.8#
86	66.0	46.7	70.1



#23
tert-Butyl Alcohol
Concen: 0.76 ug/l
RT: 4.701 min Scan# 921
Delta R.T. -0.016 min
Lab File: VN065182.D
Acq: 21 Dec 2020 15:55

Tgt Ion:	59	Resp:	269
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

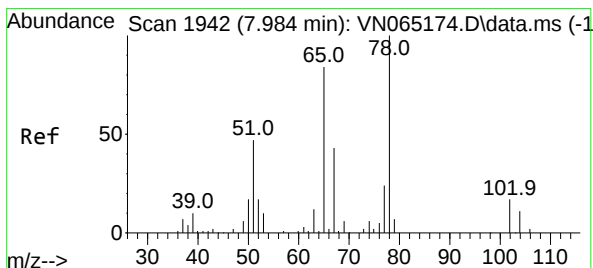
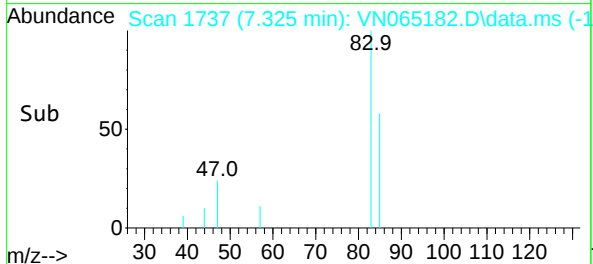
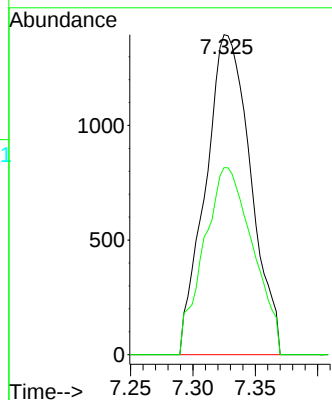
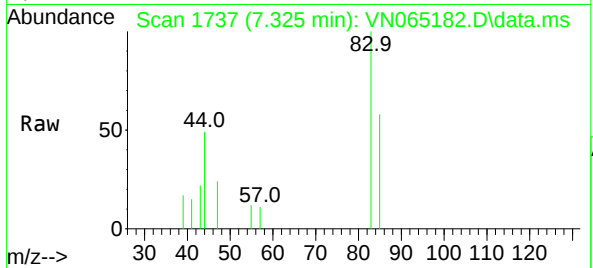




#25
Chloroform
Concen: 1.00 ug/l
RT: 7.325 min Scan# 1737
Delta R.T. -0.000 min
Lab File: VN065182.D
Acq: 21 Dec 2020 15:55

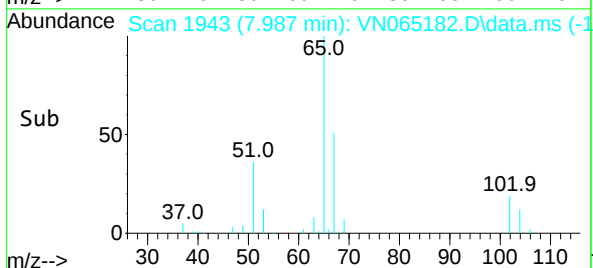
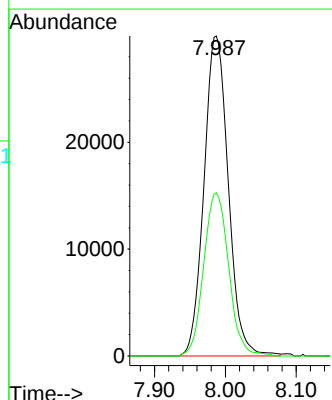
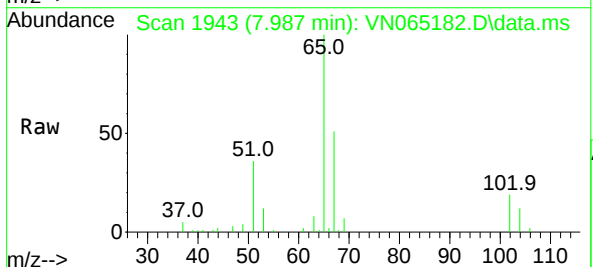
Instrument :
MSVOA_N
ClientSampled :

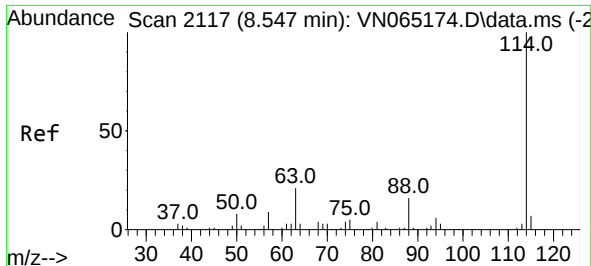
Tgt Ion: 83 Resp: 3521
Ion Ratio Lower Upper
83 100
85 58.5 50.6 75.8



#27
1,2-Dichloroethane-d4
Concen: 30.52 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.003 min
Lab File: VN065182.D
Acq: 21 Dec 2020 15:55

Tgt Ion: 65 Resp: 71426
Ion Ratio Lower Upper
65 100
67 52.3 41.1 61.7

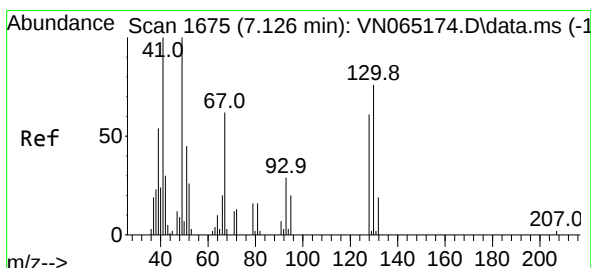
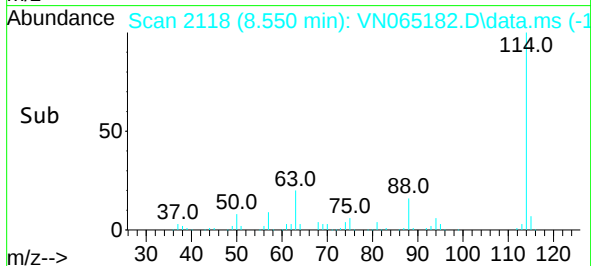
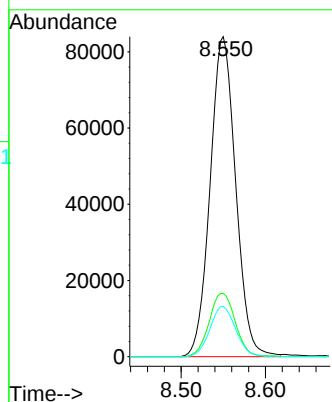
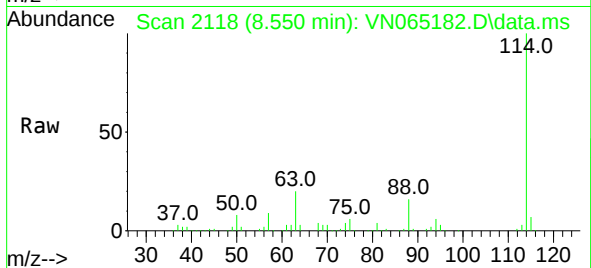




#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.003 min
Lab File: VN065182.D
Acq: 21 Dec 2020 15:55

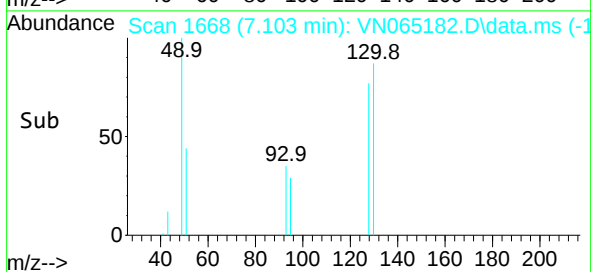
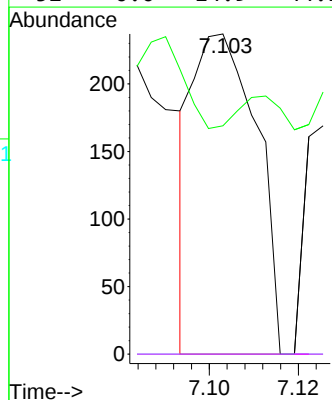
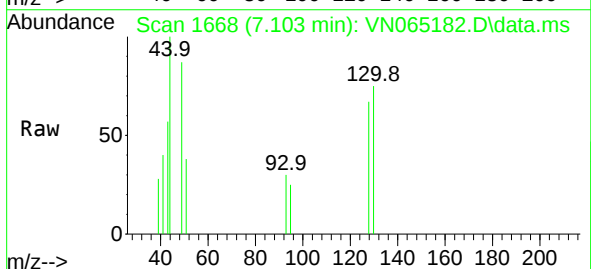
Instrument :
MSVOA_N
ClientSampled :

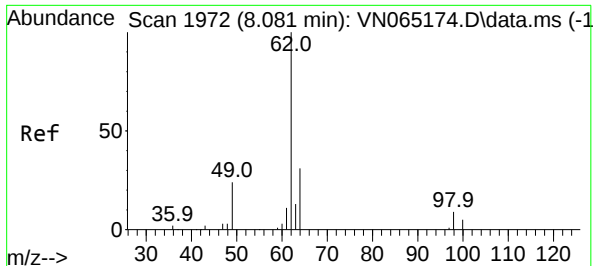
Tgt Ion:114 Resp: 176853
Ion Ratio Lower Upper
114 100
63 20.3 18.5 27.7
88 15.8 13.0 19.6



#35
Methacrylonitrile
Concen: 0.21 ug/l
RT: 7.103 min Scan# 1668
Delta R.T. -0.023 min
Lab File: VN065182.D
Acq: 21 Dec 2020 15:55

Tgt Ion: 41 Resp: 235
Ion Ratio Lower Upper
41 100
39 0.0 30.0 90.1#
67 0.0 29.2 87.6#
52 0.0 14.9 44.9#

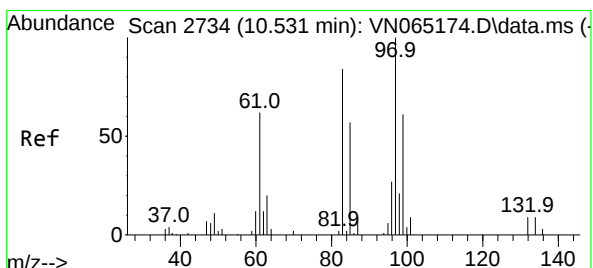
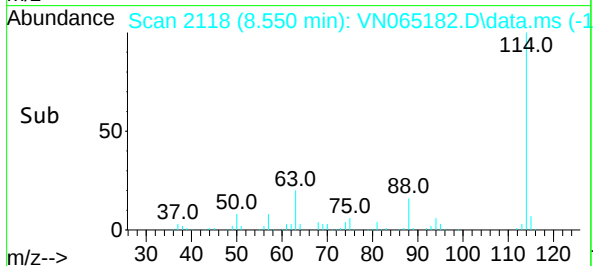
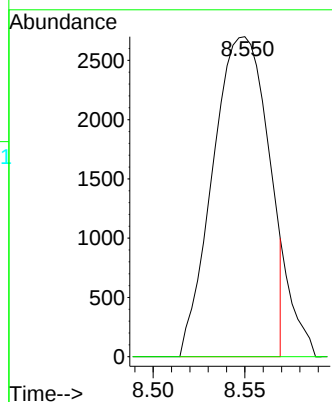
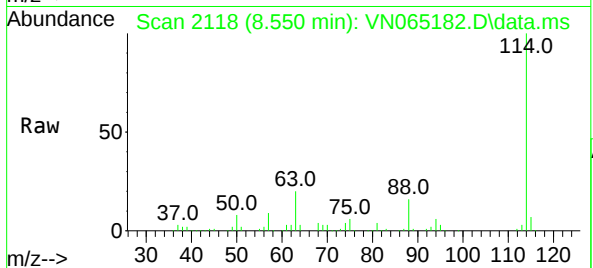




#36
1,2-Dichloroethane
Concen: 1.99 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.469 min
Lab File: VN065182.D
Acq: 21 Dec 2020 15:55

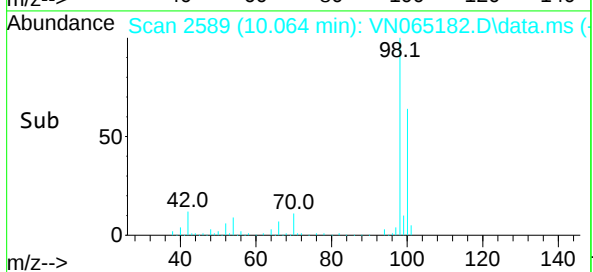
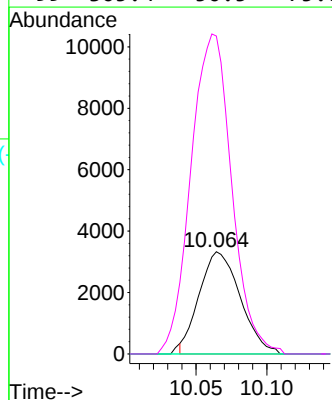
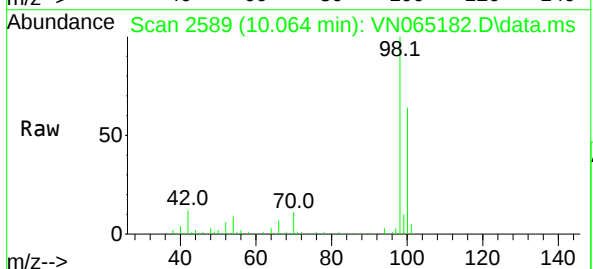
Instrument :
MSVOA_N
ClientSampled :

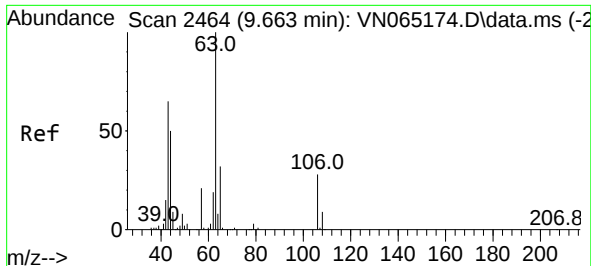
Tgt Ion: 62 Resp: 5673
Ion Ratio Lower Upper
62 100
98 0.0 5.5 8.3#



#50
1,1,2-Trichloroethane
Concen: 3.51 ug/l
RT: 10.064 min Scan# 2589
Delta R.T. -0.466 min
Lab File: VN065182.D
Acq: 21 Dec 2020 15:55

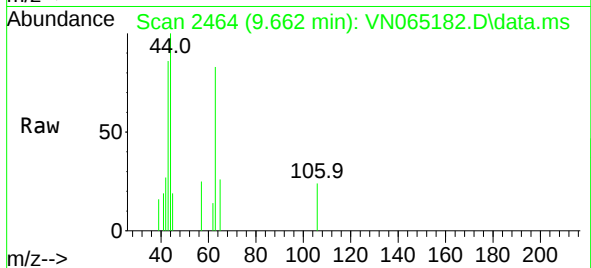
Tgt Ion: 97 Resp: 6689
Ion Ratio Lower Upper
97 100
83 0.0 74.2 111.4#
85 0.0 44.8 67.2#
99 305.4 50.5 75.7#



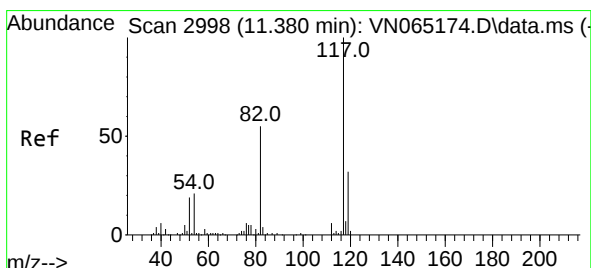
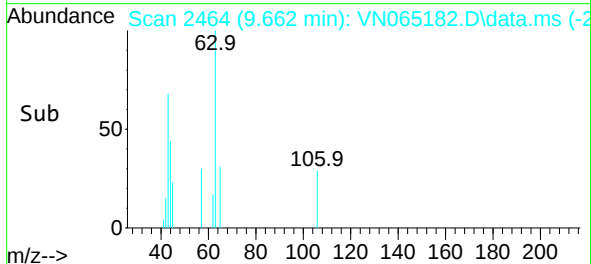
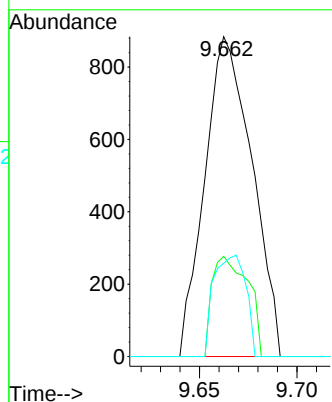


#55
2-Chloroethyl vinyl ether
Concen: 1.01 ug/l
RT: 9.662 min Scan# 2464
Delta R.T. -0.000 min
Lab File: VN065182.D
Acq: 21 Dec 2020 15:55

Instrument :
MSVOA_N
ClientSampled :

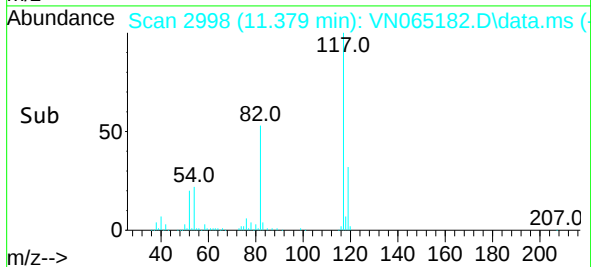
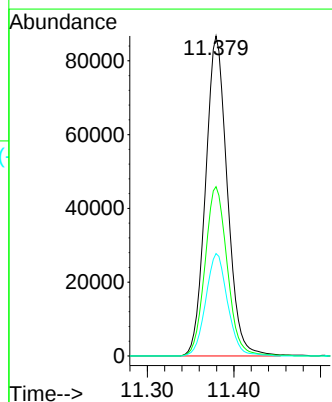
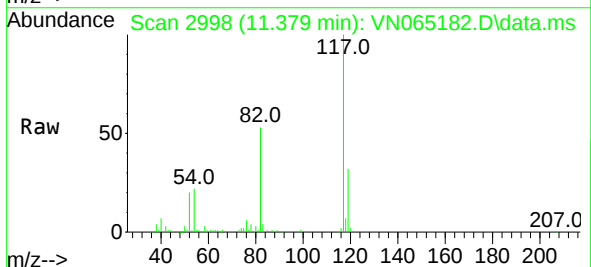


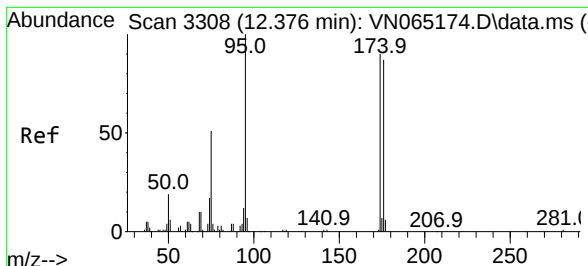
Tgt Ion: 63 Resp: 1490
Ion Ratio Lower Upper
63 100
65 23.7 25.7 38.5#
106 21.4 19.9 29.9



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065182.D
Acq: 21 Dec 2020 15:55

Tgt Ion: 117 Resp: 151016
Ion Ratio Lower Upper
117 100
82 54.3 47.8 71.8
119 32.2 25.7 38.5

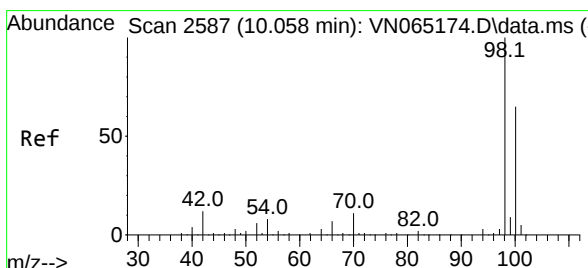
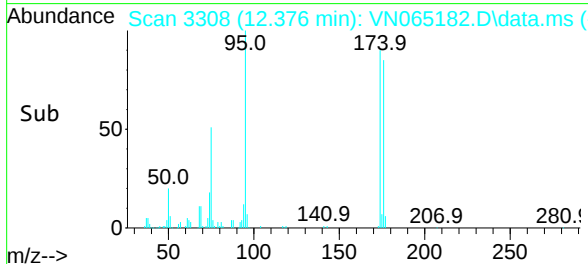
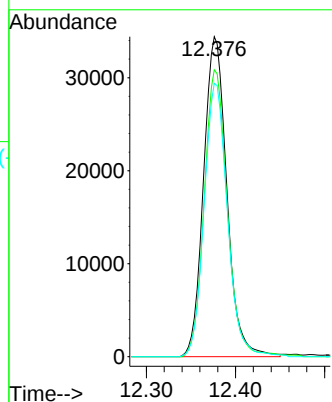
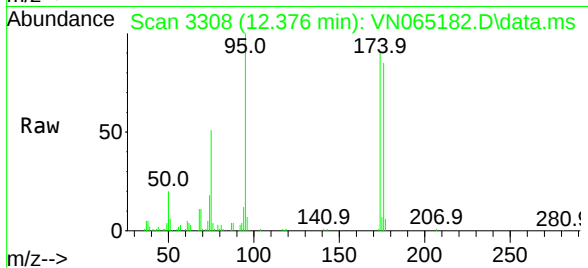




#60
4-Bromofluorobenzene
Concen: 25.95 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.000 min
Lab File: VN065182.D
Acq: 21 Dec 2020 15:55

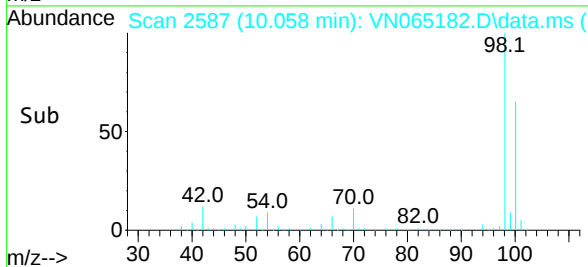
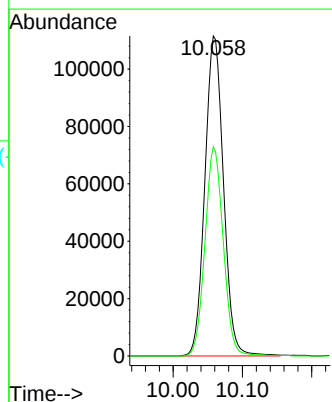
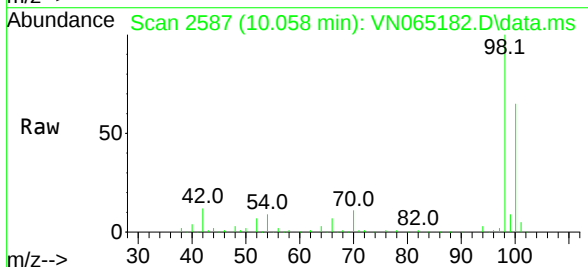
Instrument :
MSVOA_N
ClientSampleId :

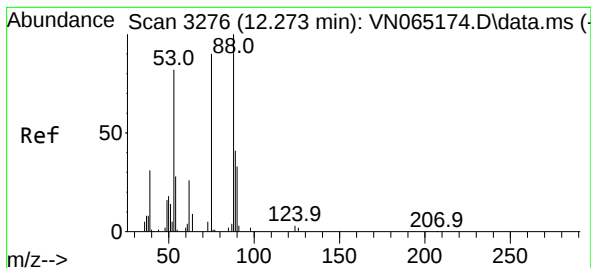
Tgt Ion: 95 Resp: 62341
Ion Ratio Lower Upper
95 100
174 89.1 56.4 84.6#
176 85.4 53.3 79.9#



#63
Toluene-d8
Concen: 31.03 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN065182.D
Acq: 21 Dec 2020 15:55

Tgt Ion: 98 Resp: 207816
Ion Ratio Lower Upper
98 100
100 64.0 49.4 74.2

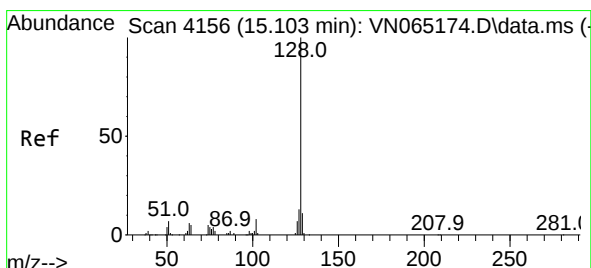
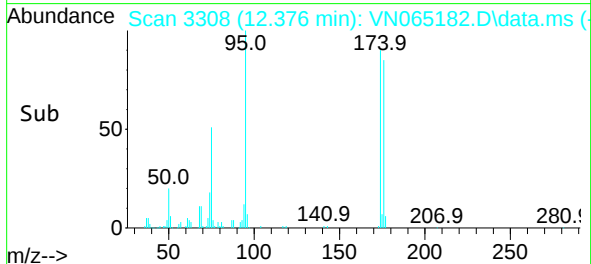
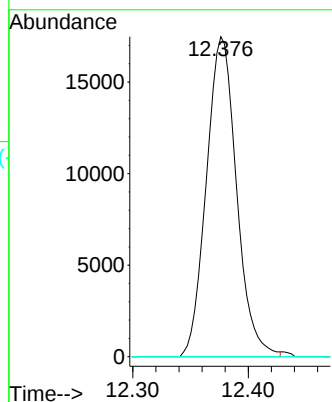
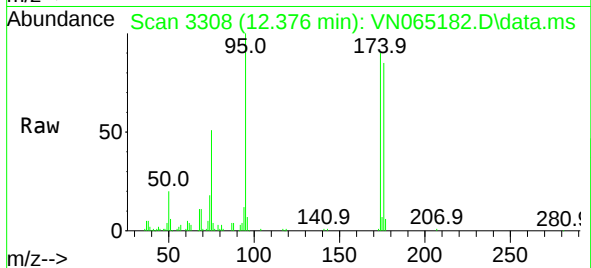




#77
t-1,4-Dichloro-2-butene
Concen: 33.60 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065182.D
Acq: 21 Dec 2020 15:55

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 31732
Ion Ratio Lower Upper
75 100
53 0.0 50.3 150.9#
89 0.0 23.3 69.8#



#91
Naphthalene
Concen: 0.22 ug/l
RT: 15.109 min Scan# 4158
Delta R.T. 0.006 min
Lab File: VN065182.D
Acq: 21 Dec 2020 15:55

Tgt Ion: 128 Resp: 1162
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.5 12.7#

