

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122120\
 Data File : VN065185.D
 Acq On : 21 Dec 2020 17:06
 Operator : JC/MD
 Sample : L5153-04 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 22 05:38:20 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)

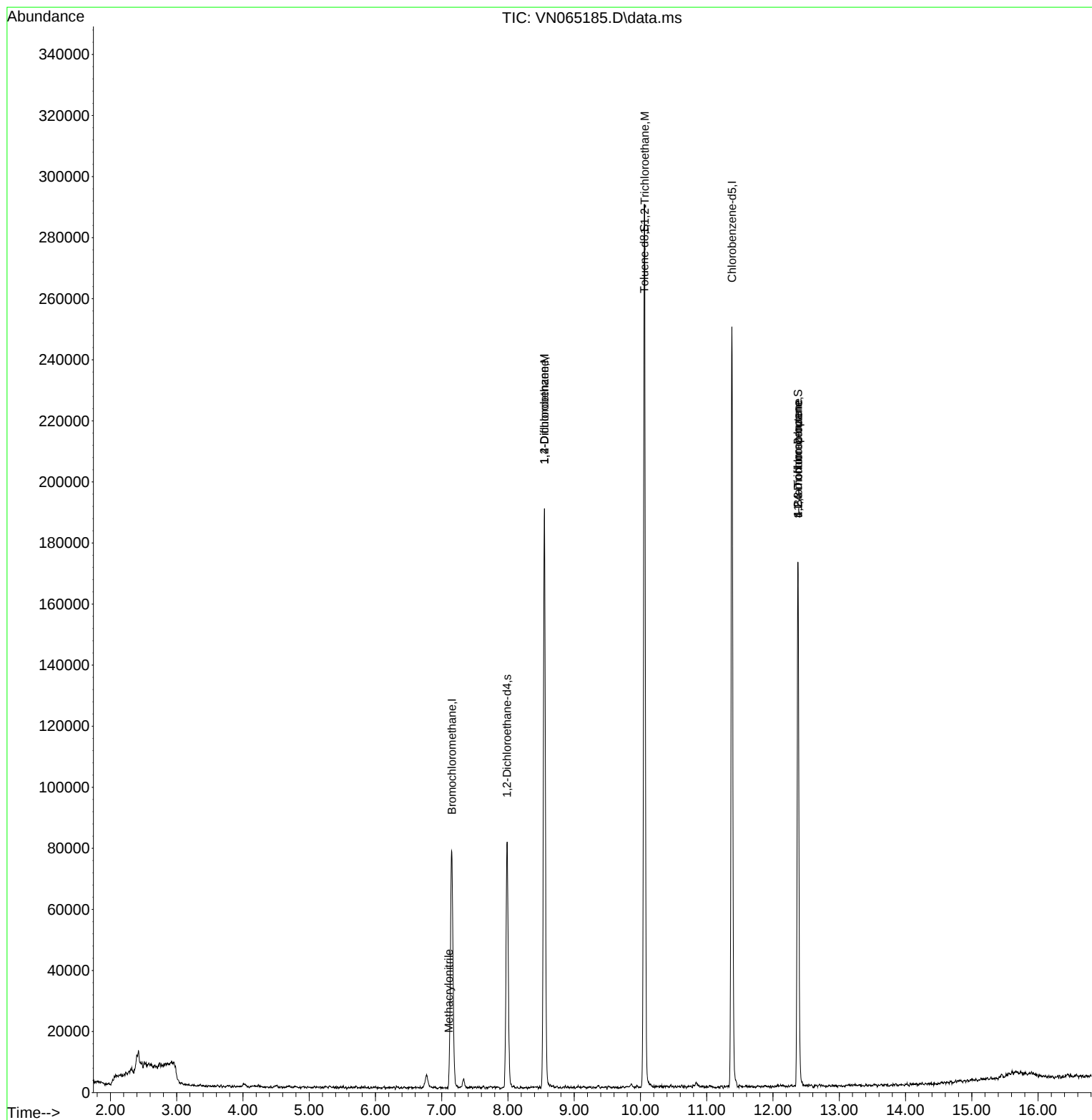
Internal Standards						
1) Bromochloromethane	7.155	128	31667	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	174951	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	148828	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.987	65	69852	30.40	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.33%
60) 4-Bromofluorobenzene	12.376	95	60636	25.62	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.40%
63) Toluene-d8	10.058	98	204565	30.99	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.30%
Target Compounds						
						Qvalue
35) Methacrylonitrile	7.106	41	231	0.21	ug/l #	52
36) 1,2-Dichloroethane	8.550	62	5462	1.94	ug/l #	80
50) 1,1,2-Trichloroethane	10.064	97	6872	3.64	ug/l #	1
72) 1,2,3-Trichloropropane	12.376	75	31916	13.47	ug/l	1
77) t-1,4-Dichloro-2-butene	12.376	75	31916	34.30	ug/l #	9

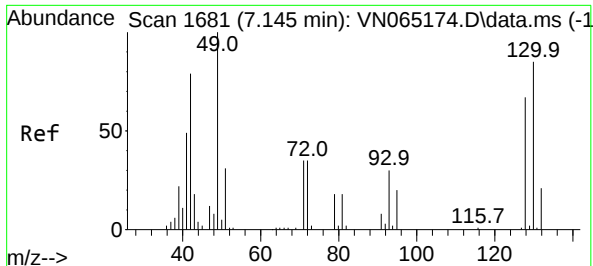
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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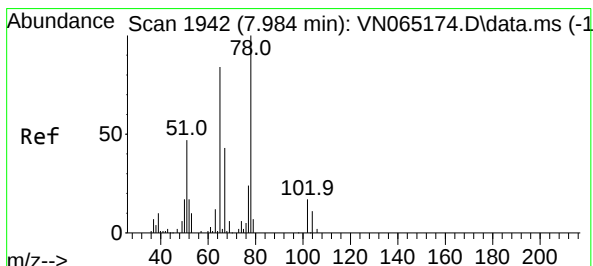
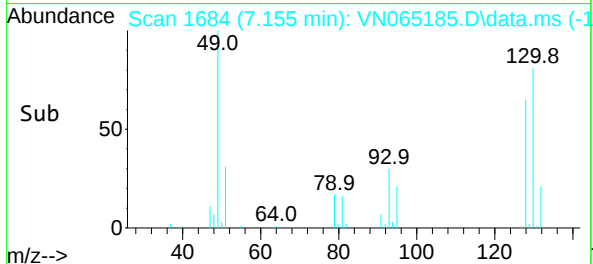
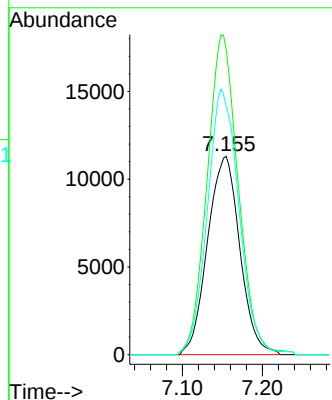
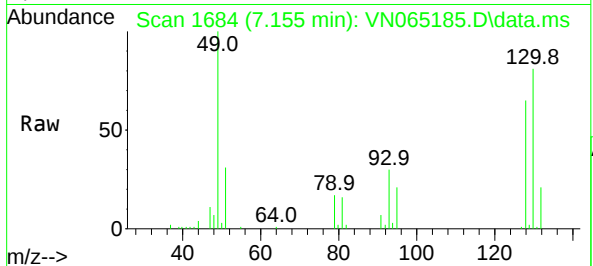




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.155 min Scan# 1684
Delta R.T. 0.010 min
Lab File: VN065185.D
Acq: 21 Dec 2020 17:06

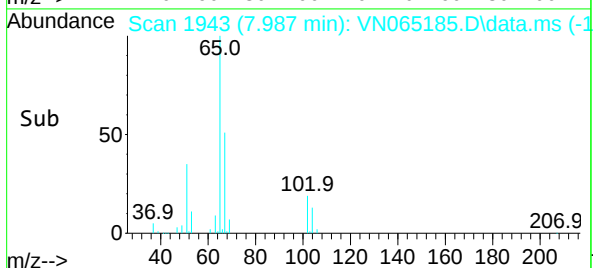
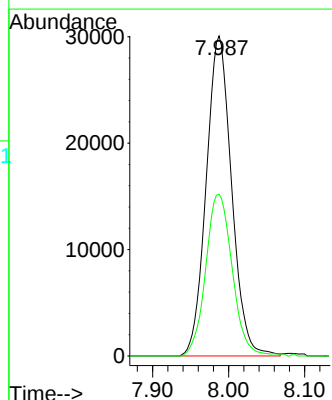
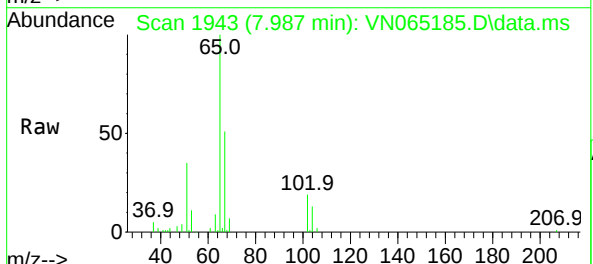
Instrument :
MSVOA_N
ClientSampled :

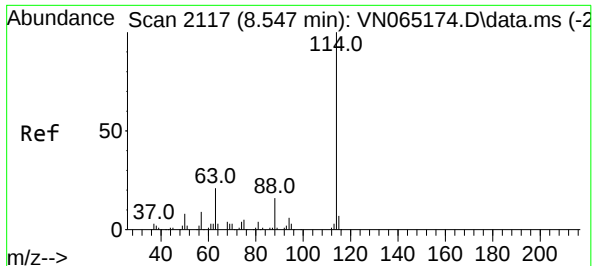
Tgt Ion:128 Resp: 31667
Ion Ratio Lower Upper
128 100
49 155.6 0.0 475.5
130 131.7 0.0 315.3



#27
1,2-Dichloroethane-d4
Concen: 30.40 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.003 min
Lab File: VN065185.D
Acq: 21 Dec 2020 17:06

Tgt Ion: 65 Resp: 69852
Ion Ratio Lower Upper
65 100
67 52.5 41.1 61.7



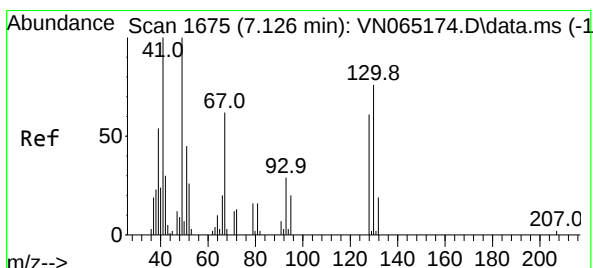
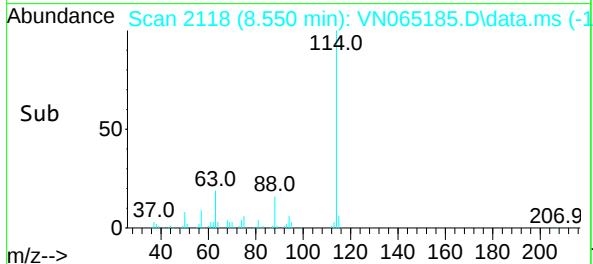
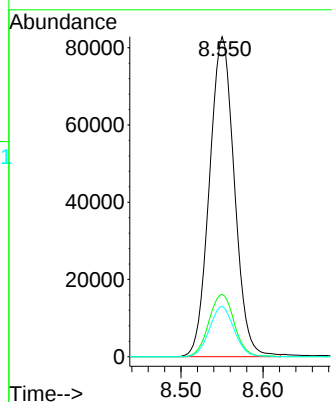
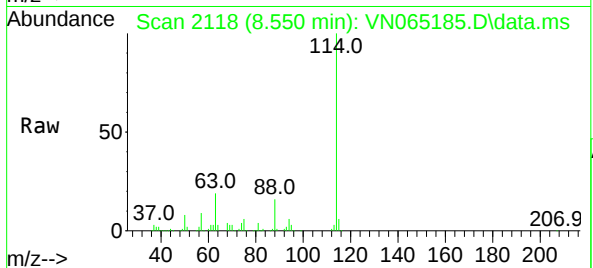


#28

1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.003 min
Lab File: VN065185.D
Acq: 21 Dec 2020 17:06

Instrument :
MSVOA_N
ClientSampled :

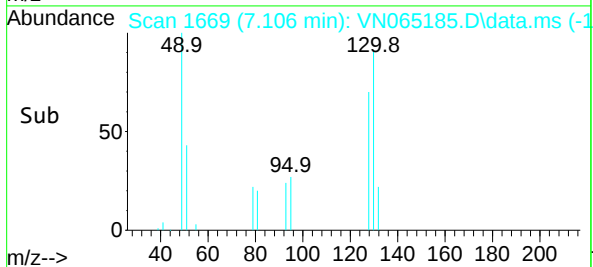
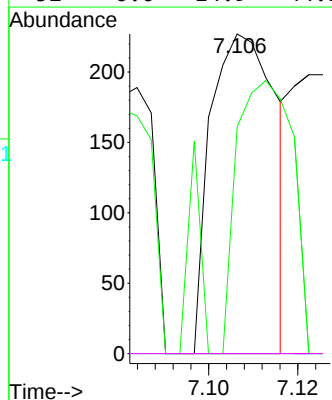
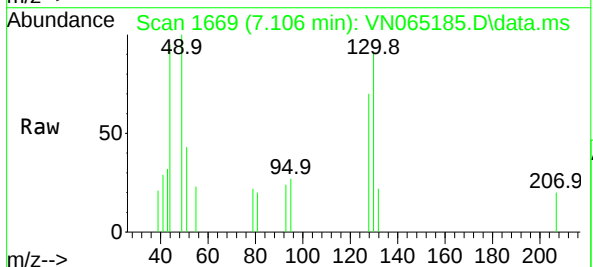
Tgt Ion:114 Resp: 174951
Ion Ratio Lower Upper
114 100
63 19.9 18.5 27.7
88 15.5 13.0 19.6

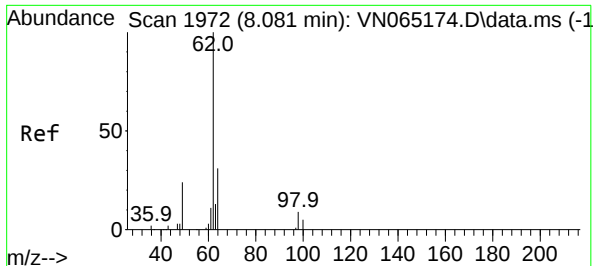


#35

Methacrylonitrile
Concen: 0.21 ug/l
RT: 7.106 min Scan# 1669
Delta R.T. -0.019 min
Lab File: VN065185.D
Acq: 21 Dec 2020 17:06

Tgt Ion: 41 Resp: 231
Ion Ratio Lower Upper
41 100
39 70.9 30.0 90.1
67 0.0 29.2 87.6#
52 0.0 14.9 44.9#

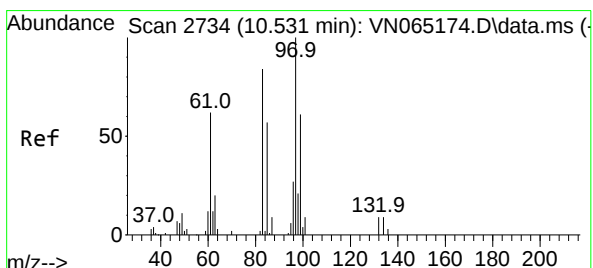
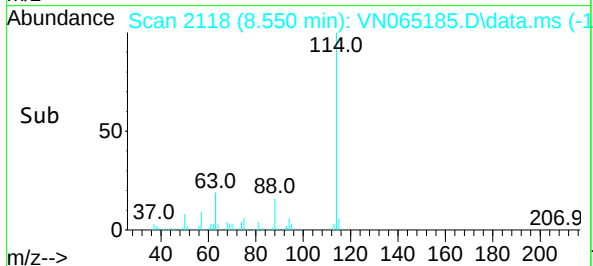
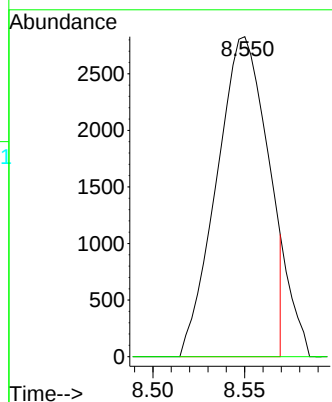
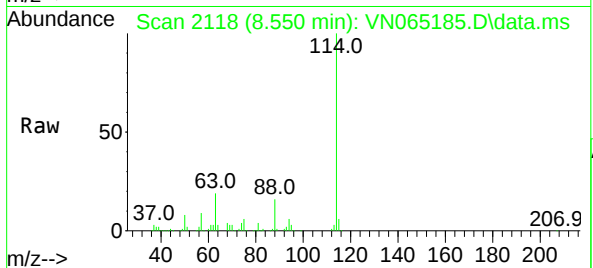




#36
1,2-Dichloroethane
Concen: 1.94 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.469 min
Lab File: VN065185.D
Acq: 21 Dec 2020 17:06

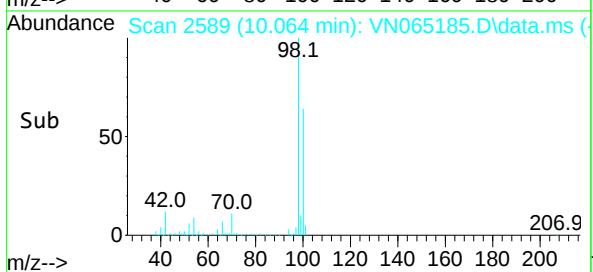
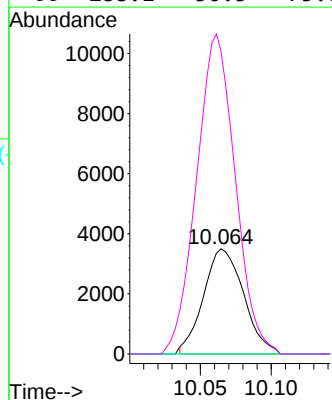
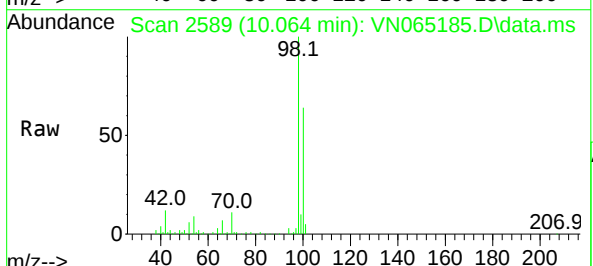
Instrument :
MSVOA_N
ClientSampled :

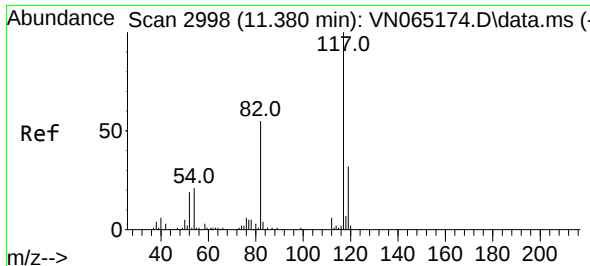
Tgt Ion: 62 Resp: 5462
Ion Ratio Lower Upper
62 100
98 0.0 5.5 8.3#



#50
1,1,2-Trichloroethane
Concen: 3.64 ug/l
RT: 10.064 min Scan# 2589
Delta R.T. -0.466 min
Lab File: VN065185.D
Acq: 21 Dec 2020 17:06

Tgt Ion: 97 Resp: 6872
Ion Ratio Lower Upper
97 100
83 0.0 74.2 111.4#
85 0.0 44.8 67.2#
99 288.1 50.5 75.7#

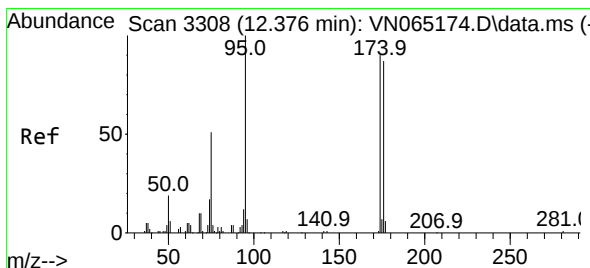
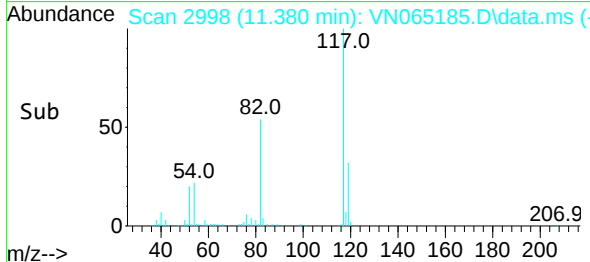
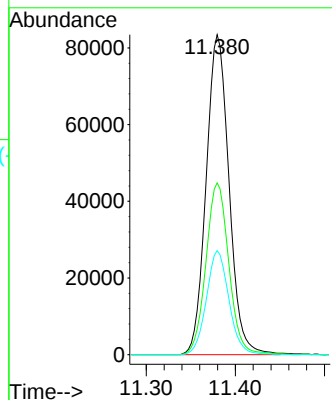
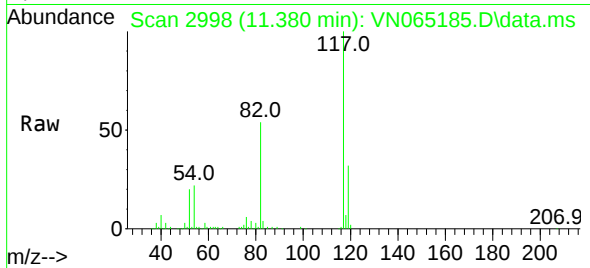




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065185.D
Acq: 21 Dec 2020 17:06

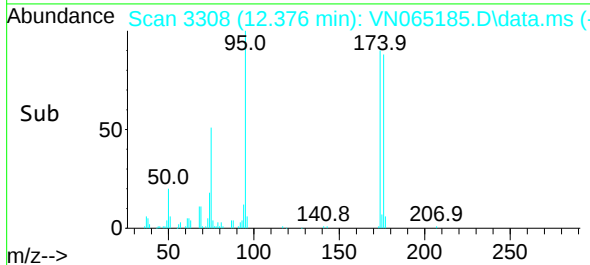
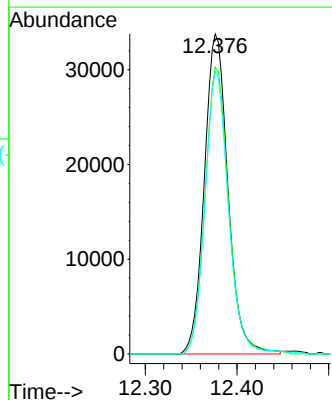
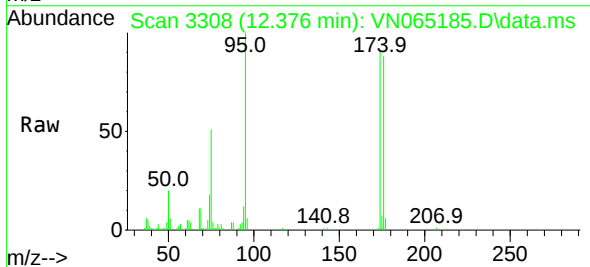
Instrument :
MSVOA_N
ClientSampled :

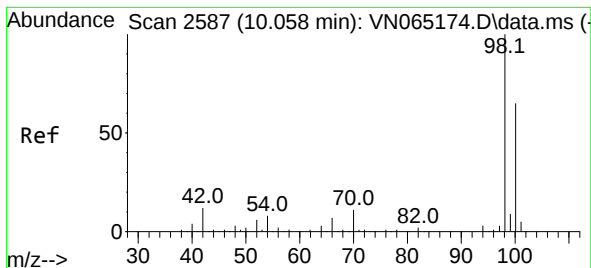
Tgt Ion:117 Resp: 148828
Ion Ratio Lower Upper
117 100
82 53.8 47.8 71.8
119 32.0 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 25.62 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.000 min
Lab File: VN065185.D
Acq: 21 Dec 2020 17:06

Tgt Ion: 95 Resp: 60636
Ion Ratio Lower Upper
95 100
174 90.3 56.4 84.6#
176 86.5 53.3 79.9#

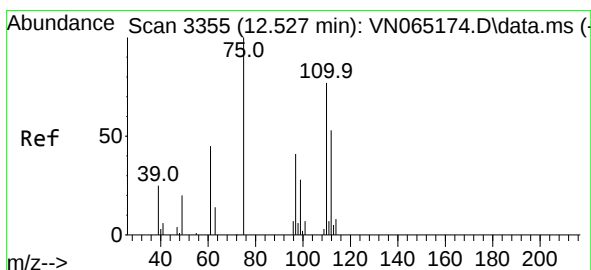
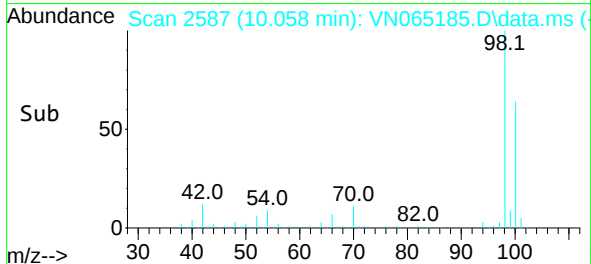
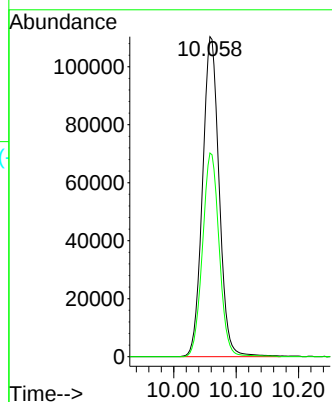
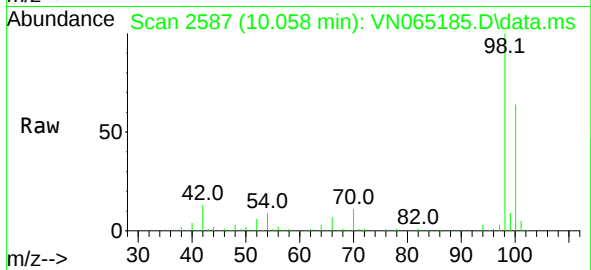




#63
Toluene-d8
Concen: 30.99 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN065185.D
Acq: 21 Dec 2020 17:06

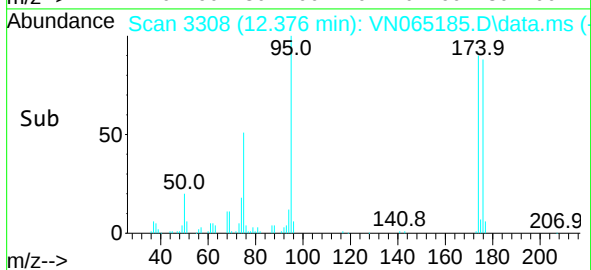
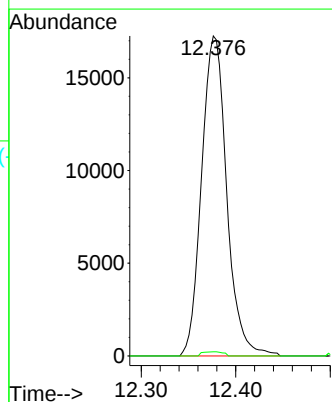
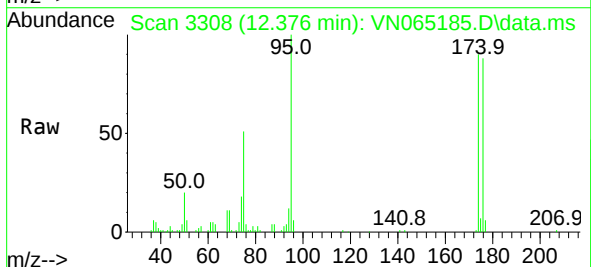
Instrument :
MSVOA_N
ClientSampled :

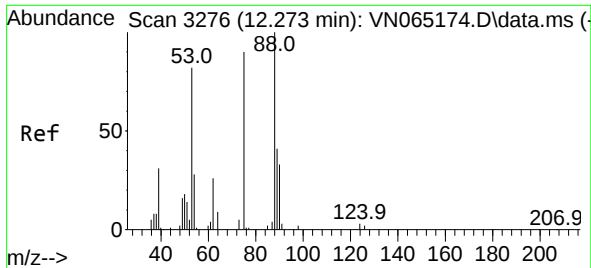
Tgt Ion: 98 Resp: 204565
Ion Ratio Lower Upper
98 100
100 63.6 49.4 74.2



#72
1,2,3-Trichloropropane
Concen: 13.47 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065185.D
Acq: 21 Dec 2020 17:06

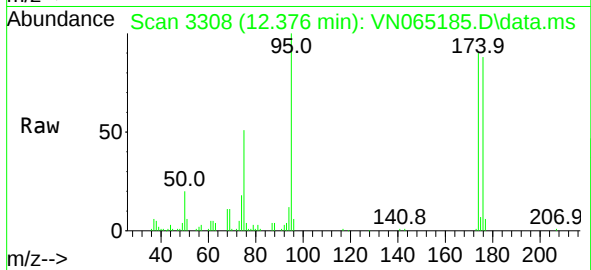
Tgt Ion: 75 Resp: 31916
Ion Ratio Lower Upper
75 100
77 1.1 0.0 379.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 34.30 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. 0.103 min
 Lab File: VN065185.D
 Acq: 21 Dec 2020 17:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	31916
Ion	Ratio	Lower	Upper
75	100		
53	0.0	50.3	150.9#
89	0.0	23.3	69.8#

