

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122120\
 Data File : VN065179.D
 Acq On : 21 Dec 2020 14:28
 Operator : JC/MD
 Sample : VN1221WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 22 05:35:44 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)

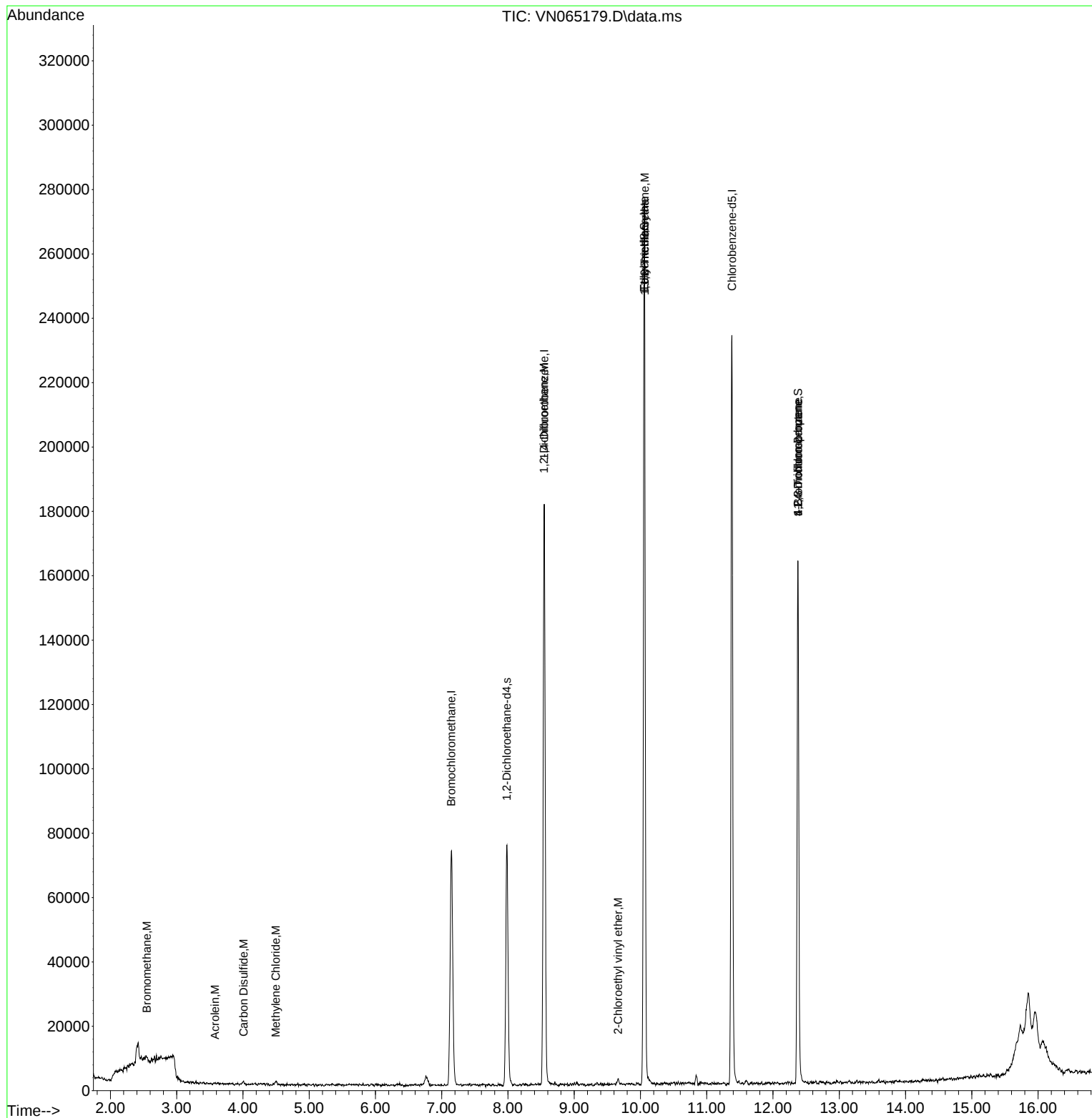
Internal Standards						
1) Bromochloromethane	7.145	128	29892	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.547	114	167706	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	141154	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.984	65	66598	30.71	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.37%
60) 4-Bromofluorobenzene	12.376	95	57906	25.79	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.97%
63) Toluene-d8	10.058	98	192676	30.78	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.60%
Target Compounds						
					Qvalue	
5) Bromomethane	2.550	94	348	0.25	ug/l	92
13) Acrolein	3.579	56	138	0.61	ug/l #	39
16) Carbon Disulfide	4.010	76	1406	0.31	ug/l #	74
18) Methylene Chloride	4.496	84	549	0.30	ug/l #	25
36) 1,2-Dichloroethane	8.544	62	5551	2.05	ug/l #	80
50) 1,1,2-Trichloroethane	10.065	97	6719	3.71	ug/l #	1
51) Ethyl methacrylate	10.058	69	985	0.35	ug/l	86
55) 2-Chloroethyl vinyl ether	9.663	63	742	0.53	ug/l #	65
72) 1,2,3-Trichloropropane	12.376	75	29692	13.21	ug/l	1
77) t-1,4-Dichloro-2-butene	12.376	75	29692	33.64	ug/l #	9

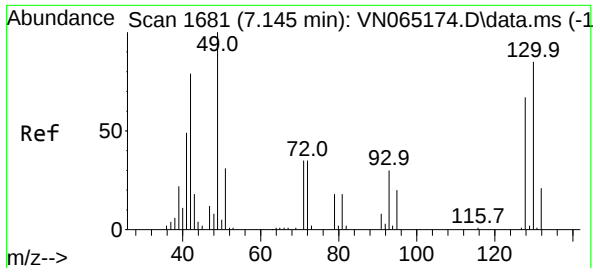
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00mL/MSVOA_N/WATER
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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 22 05:35:44 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

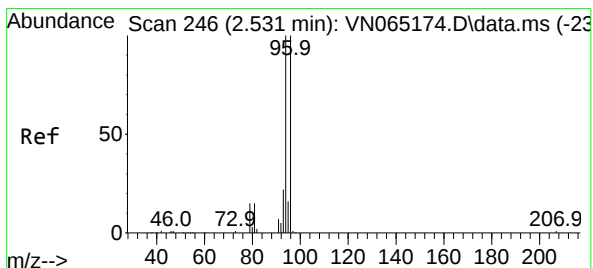
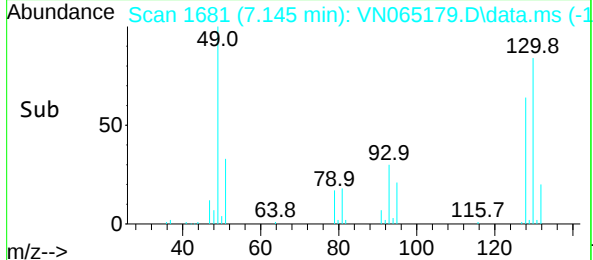
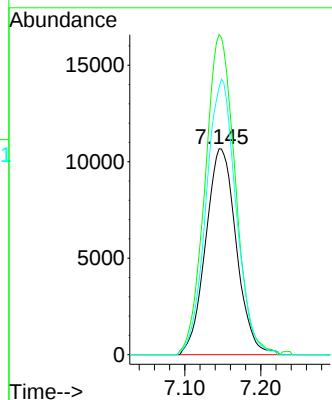
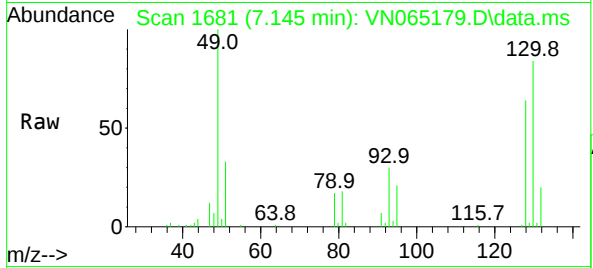




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.145 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN065179.D
Acq: 21 Dec 2020 14:28

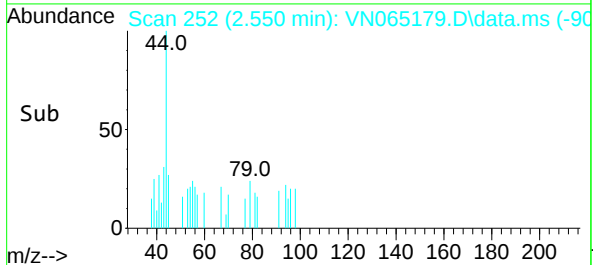
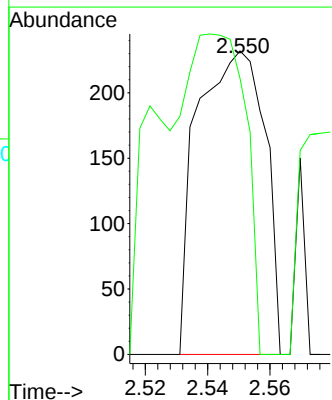
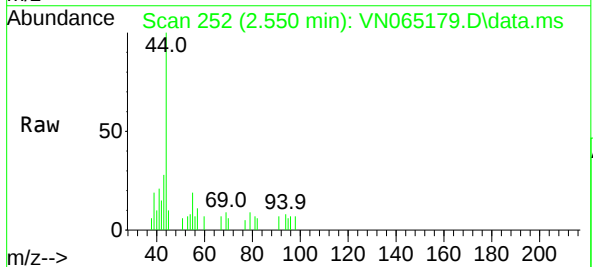
Instrument :
MSVOA_N
ClientSampled :

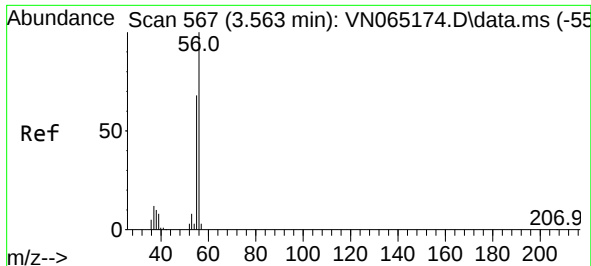
Tgt Ion	Ratio	Lower	Upper
128	100		
49	152.8	0.0	475.5
130	130.7	0.0	315.3



#5
Bromomethane
Concen: 0.25 ug/l
RT: 2.550 min Scan# 252
Delta R.T. 0.019 min
Lab File: VN065179.D
Acq: 21 Dec 2020 14:28

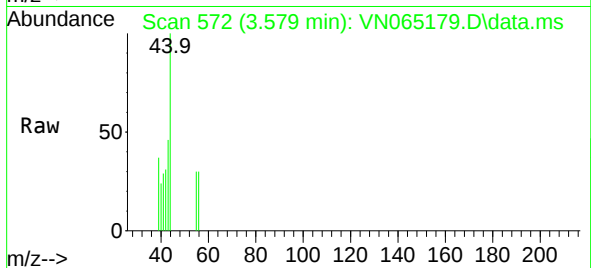
Tgt Ion	Ratio	Lower	Upper
94	100		
96	90.9	79.3	118.9



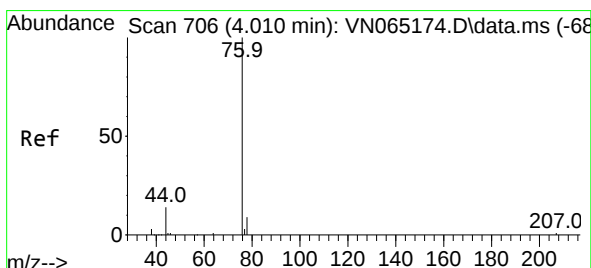
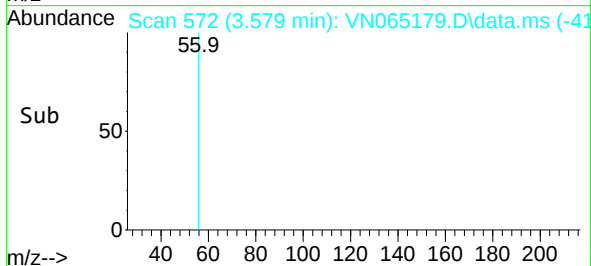


#13
Acrolein
Concen: 0.61 ug/l
RT: 3.579 min Scan# 572
Delta R.T. 0.016 min
Lab File: VN065179.D
Acq: 21 Dec 2020 14:28

Instrument :
MSVOA_N
ClientSampled :

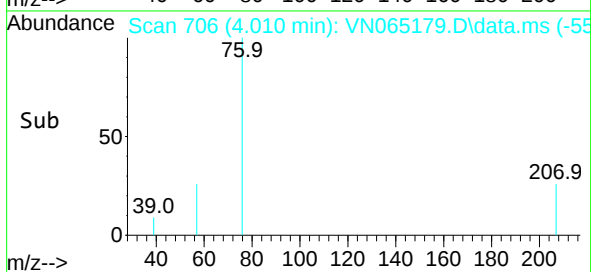
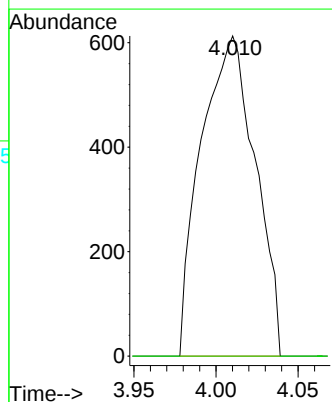
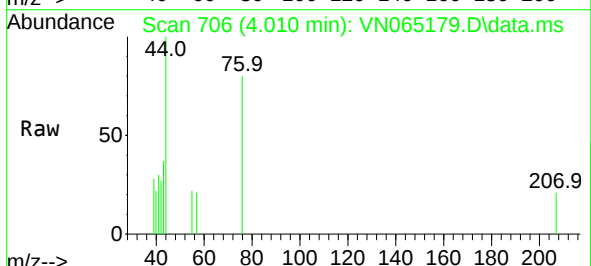


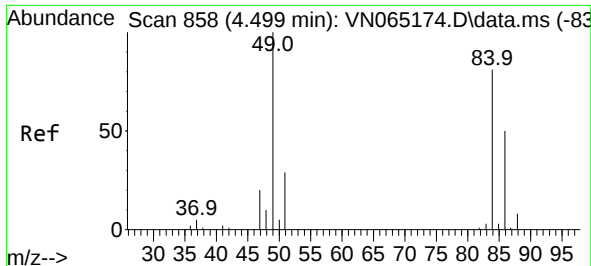
Tgt Ion: 56 Resp: 138
Ion Ratio Lower Upper
56 100
55 21.7 58.2 87.2#



#16
Carbon Disulfide
Concen: 0.31 ug/l
RT: 4.010 min Scan# 706
Delta R.T. 0.000 min
Lab File: VN065179.D
Acq: 21 Dec 2020 14:28

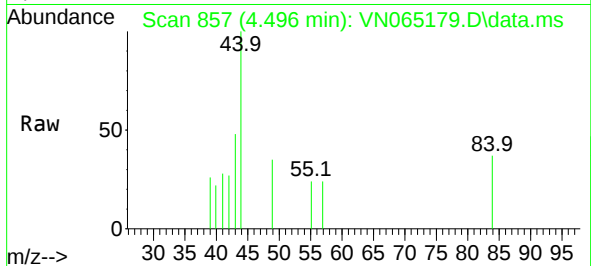
Tgt Ion: 76 Resp: 1406
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#





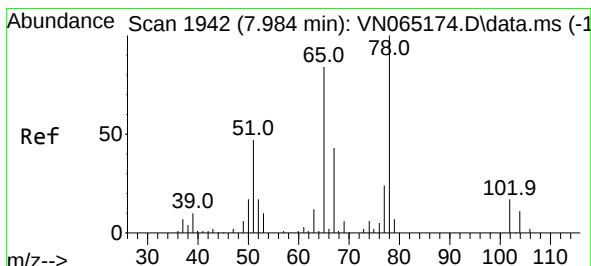
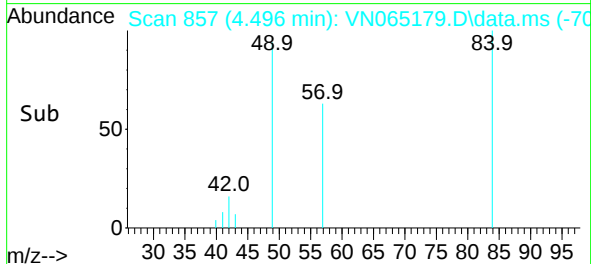
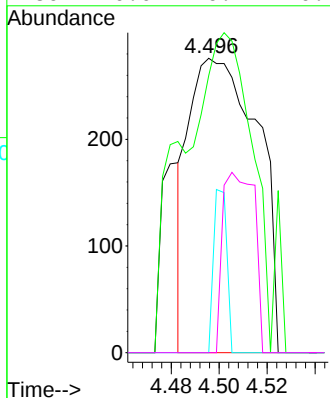
#18
Methylene Chloride
Concen: 0.30 ug/l
RT: 4.496 min Scan# 857
Delta R.T. -0.003 min
Lab File: VN065179.D
Acq: 21 Dec 2020 14:28

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 549

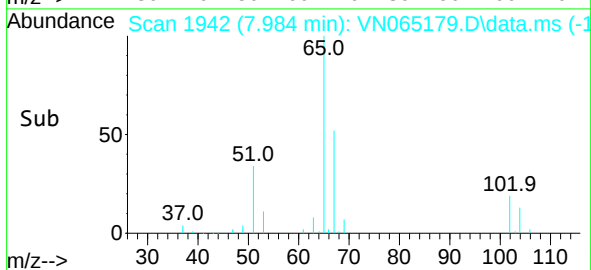
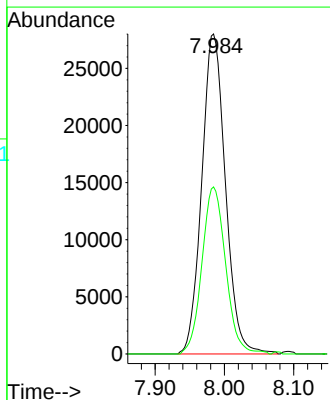
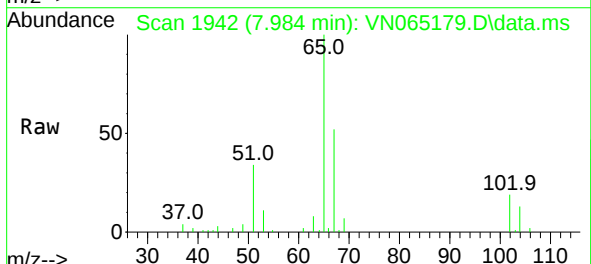
Ion	Ratio	Lower	Upper
84	100		
49	39.1	102.1	153.1#
51	0.0	32.6	48.8#
86	0.0	46.7	70.1#

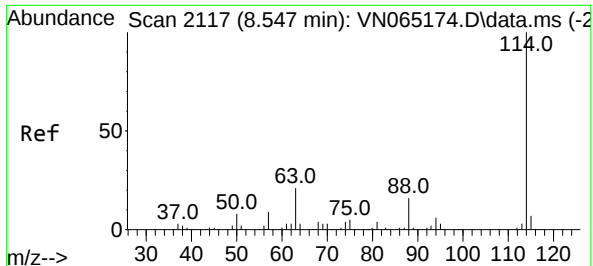


#27
1,2-Dichloroethane-d4
Concen: 30.71 ug/l
RT: 7.984 min Scan# 1942
Delta R.T. 0.000 min
Lab File: VN065179.D
Acq: 21 Dec 2020 14:28

Tgt Ion: 65 Resp: 66598

Ion	Ratio	Lower	Upper
65	100		
67	51.9	41.1	61.7

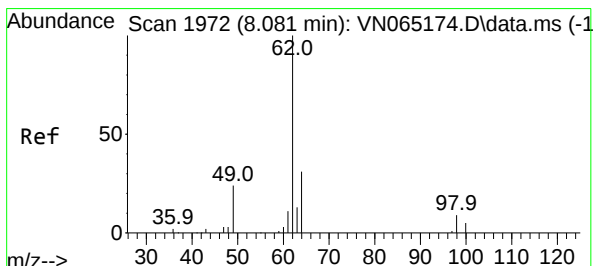
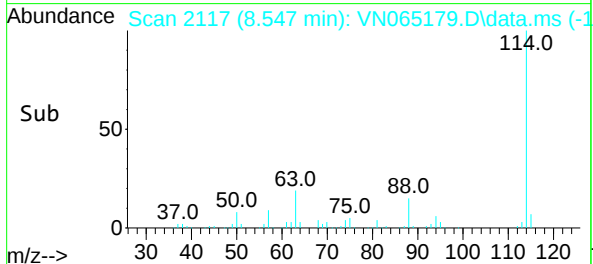
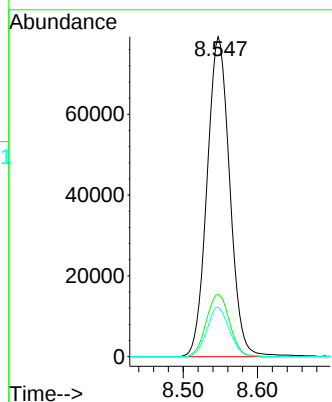
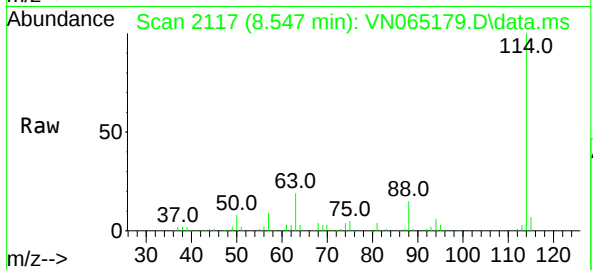




#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VN065179.D
Acq: 21 Dec 2020 14:28

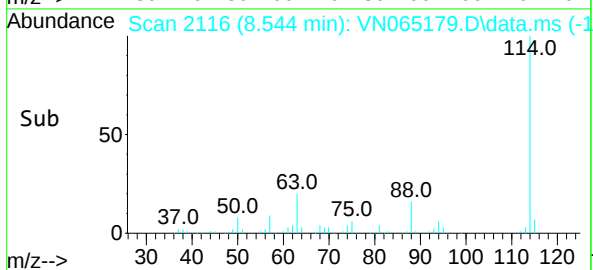
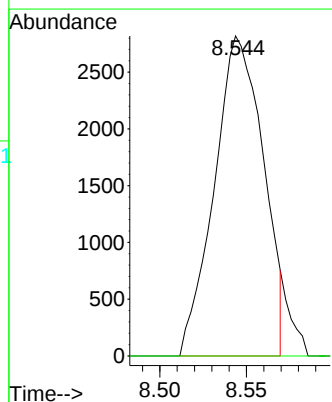
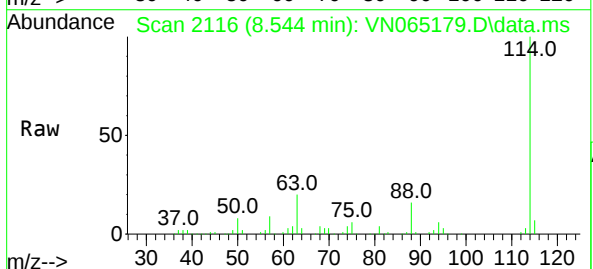
Instrument :
MSVOA_N
ClientSampled :

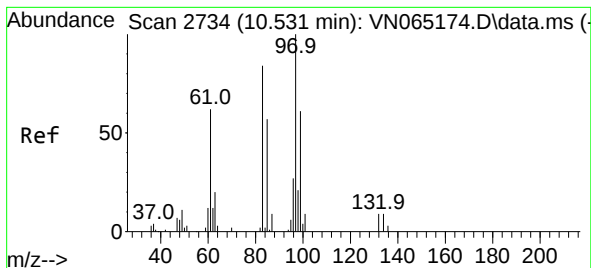
Tgt Ion:114 Resp: 167706
Ion Ratio Lower Upper
114 100
63 20.1 18.5 27.7
88 15.4 13.0 19.6



#36
1,2-Dichloroethane
Concen: 2.05 ug/l
RT: 8.544 min Scan# 2116
Delta R.T. 0.463 min
Lab File: VN065179.D
Acq: 21 Dec 2020 14:28

Tgt Ion: 62 Resp: 5551
Ion Ratio Lower Upper
62 100
98 0.0 5.5 8.3#

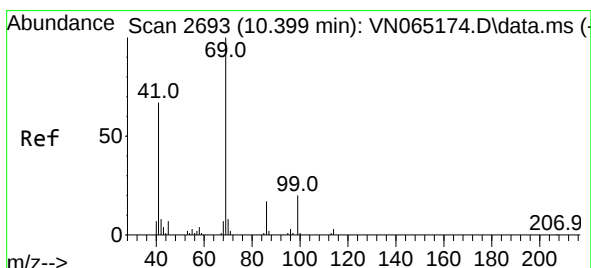
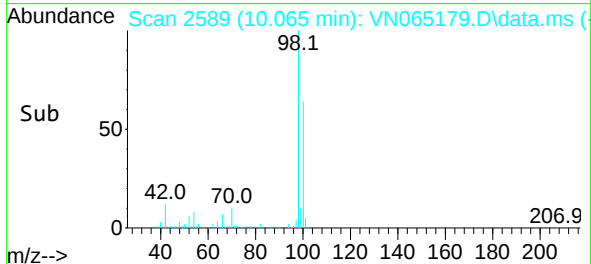
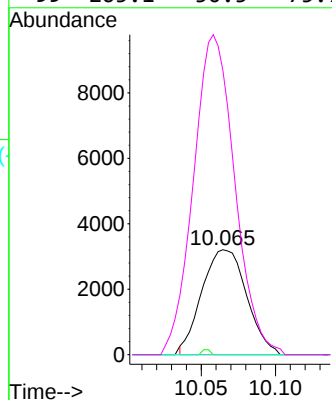
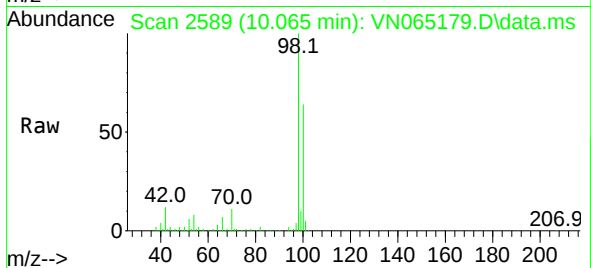




#50
1,1,2-Trichloroethane
Concen: 3.71 ug/l
RT: 10.065 min Scan# 2589
Delta R.T. -0.466 min
Lab File: VN065179.D
Acq: 21 Dec 2020 14:28

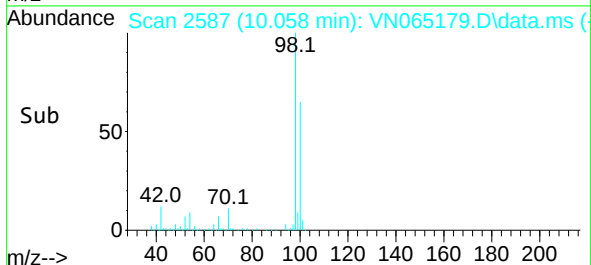
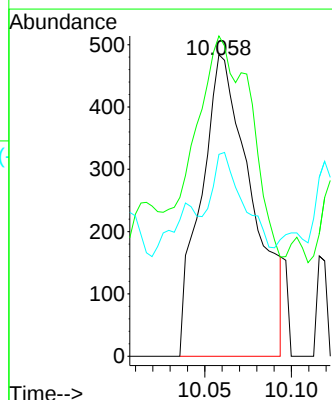
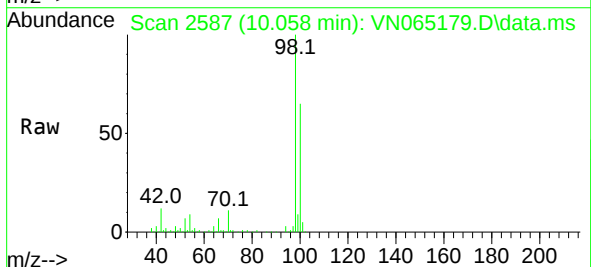
Instrument :
MSVOA_N
ClientSampleId :

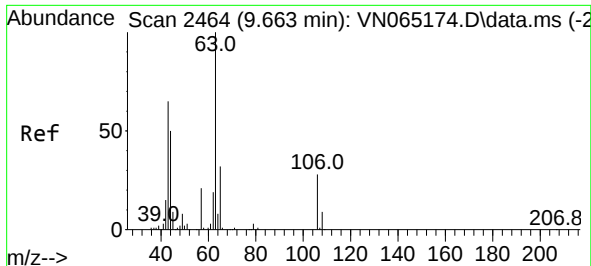
Tgt Ion: 97 Resp: 6719
Ion Ratio Lower Upper
97 100
83 0.0 74.2 111.4#
85 0.0 44.8 67.2#
99 265.1 50.5 75.7#



#51
Ethyl methacrylate
Concen: 0.35 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.341 min
Lab File: VN065179.D
Acq: 21 Dec 2020 14:28

Tgt Ion: 69 Resp: 985
Ion Ratio Lower Upper
69 100
41 73.3 35.4 106.1
39 28.3 24.1 72.2

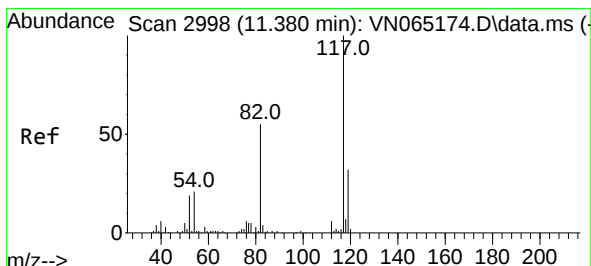
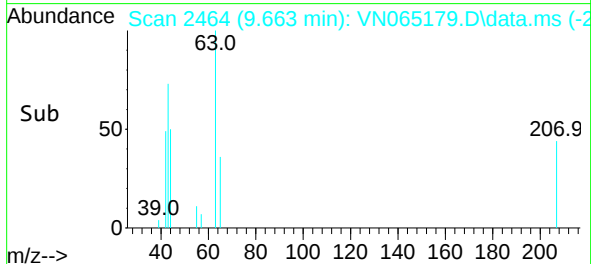
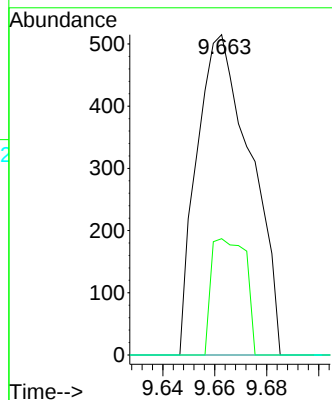
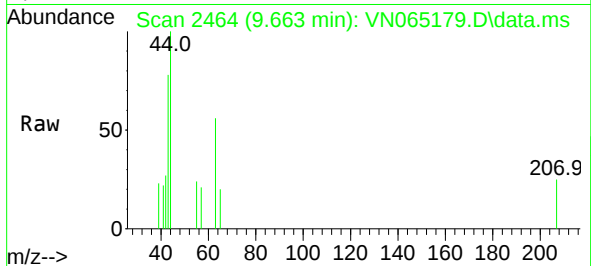




#55
2-Chloroethyl vinyl ether
Concen: 0.53 ug/l
RT: 9.663 min Scan# 2464
Delta R.T. 0.000 min
Lab File: VN065179.D
Acq: 21 Dec 2020 14:28

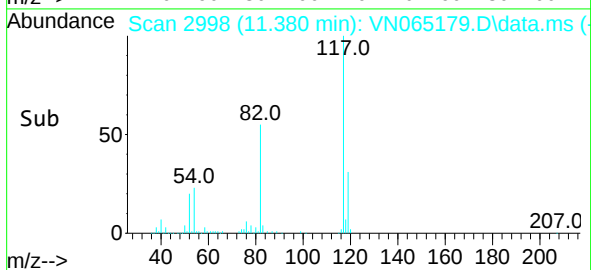
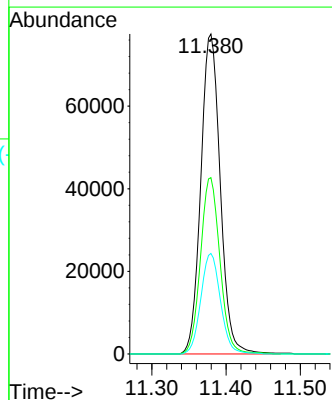
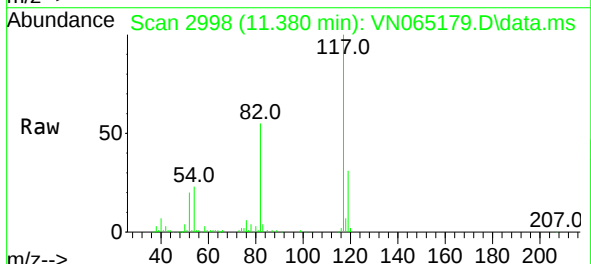
Instrument :
MSVOA_N
ClientSampleId :

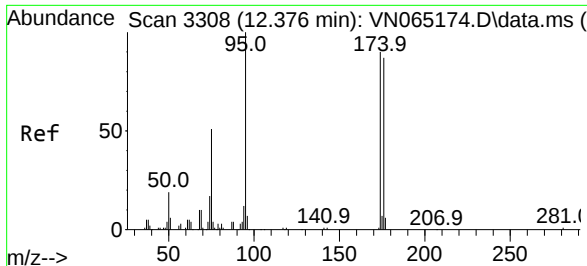
Tgt Ion: 63	Resp:	742
Ion Ratio	Lower	Upper
63	100	
65	18.7	25.7 38.5#
106	0.0	19.9 29.9#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.000 min
Lab File: VN065179.D
Acq: 21 Dec 2020 14:28

Tgt Ion: 117	Resp:	141154
Ion Ratio	Lower	Upper
117	100	
82	55.0	47.8 71.8
119	31.7	25.7 38.5

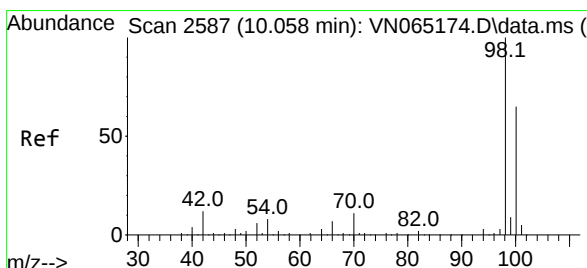
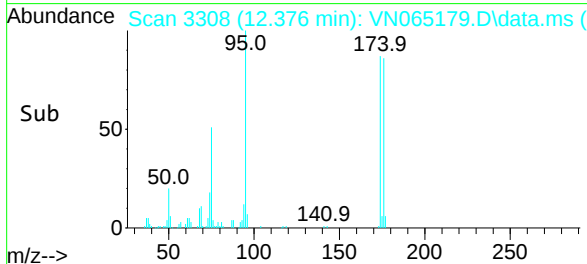
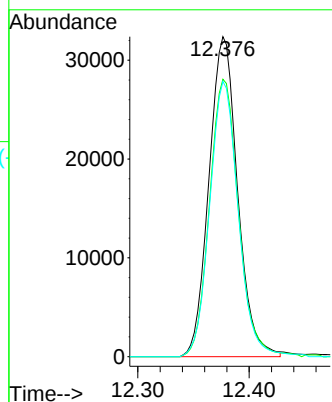
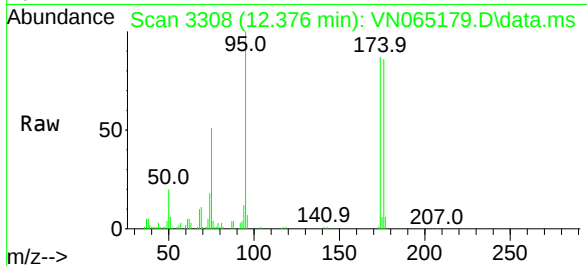




#60
4-Bromofluorobenzene
Concen: 25.79 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065179.D
Acq: 21 Dec 2020 14:28

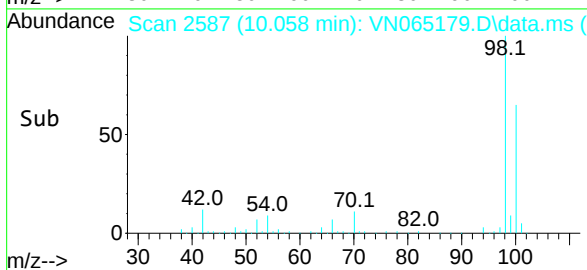
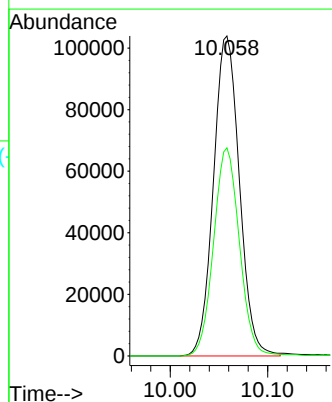
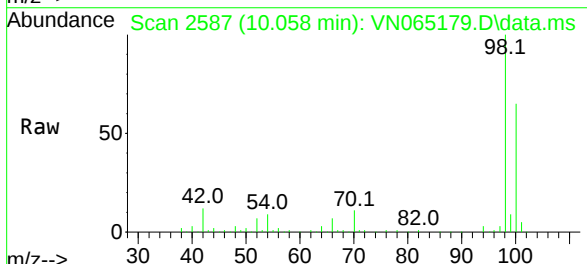
Instrument :
MSVOA_N
ClientSampleId :

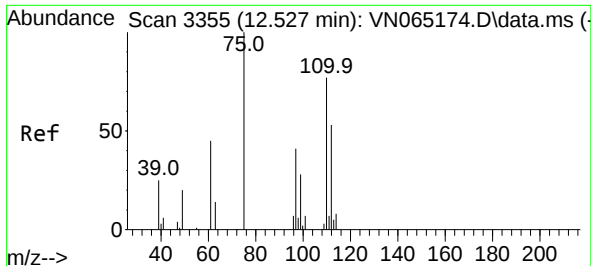
Tgt Ion: 95 Resp: 57906
Ion Ratio Lower Upper
95 100
174 87.7 56.4 84.6#
176 85.5 53.3 79.9#



#63
Toluene-d8
Concen: 30.78 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065179.D
Acq: 21 Dec 2020 14:28

Tgt Ion: 98 Resp: 192676
Ion Ratio Lower Upper
98 100
100 64.6 49.4 74.2

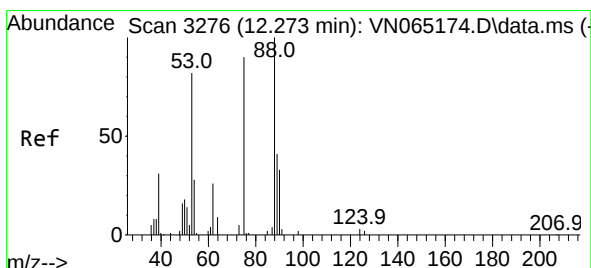
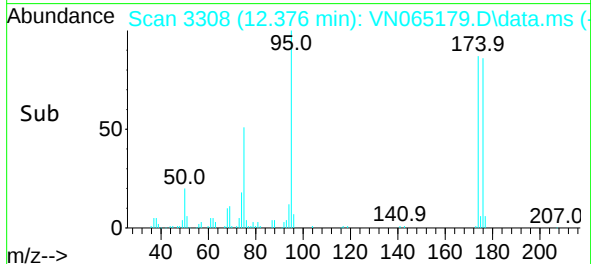
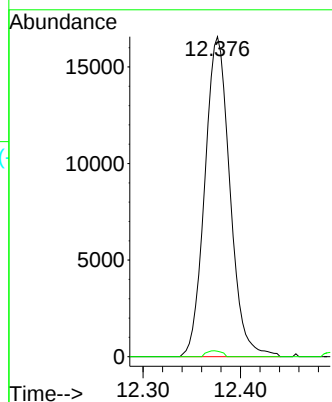
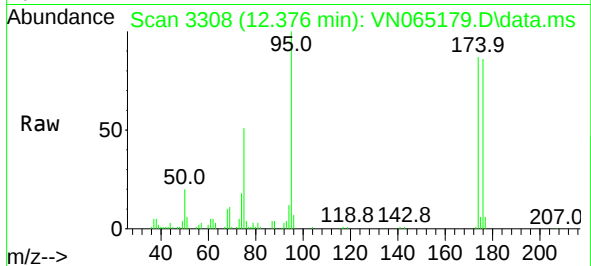




#72
1,2,3-Trichloropropane
Concen: 13.21 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065179.D
Acq: 21 Dec 2020 14:28

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 29692
Ion Ratio Lower Upper
75 100
77 1.1 0.0 379.4



#77
t-1,4-Dichloro-2-butene
Concen: 33.64 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065179.D
Acq: 21 Dec 2020 14:28

Tgt Ion: 75 Resp: 29692
Ion Ratio Lower Upper
75 100
53 0.0 50.3 150.9#
89 0.0 23.3 69.8#

