

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030521\
 Data File : VN066141.D
 Acq On : 5 Mar 2021 18:04
 Operator : JC/MD
 Sample : M1585-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20210304

Quant Time: Mar 06 02:43:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Mar 06 02:33:59 2021
 Response via : Initial Calibration

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

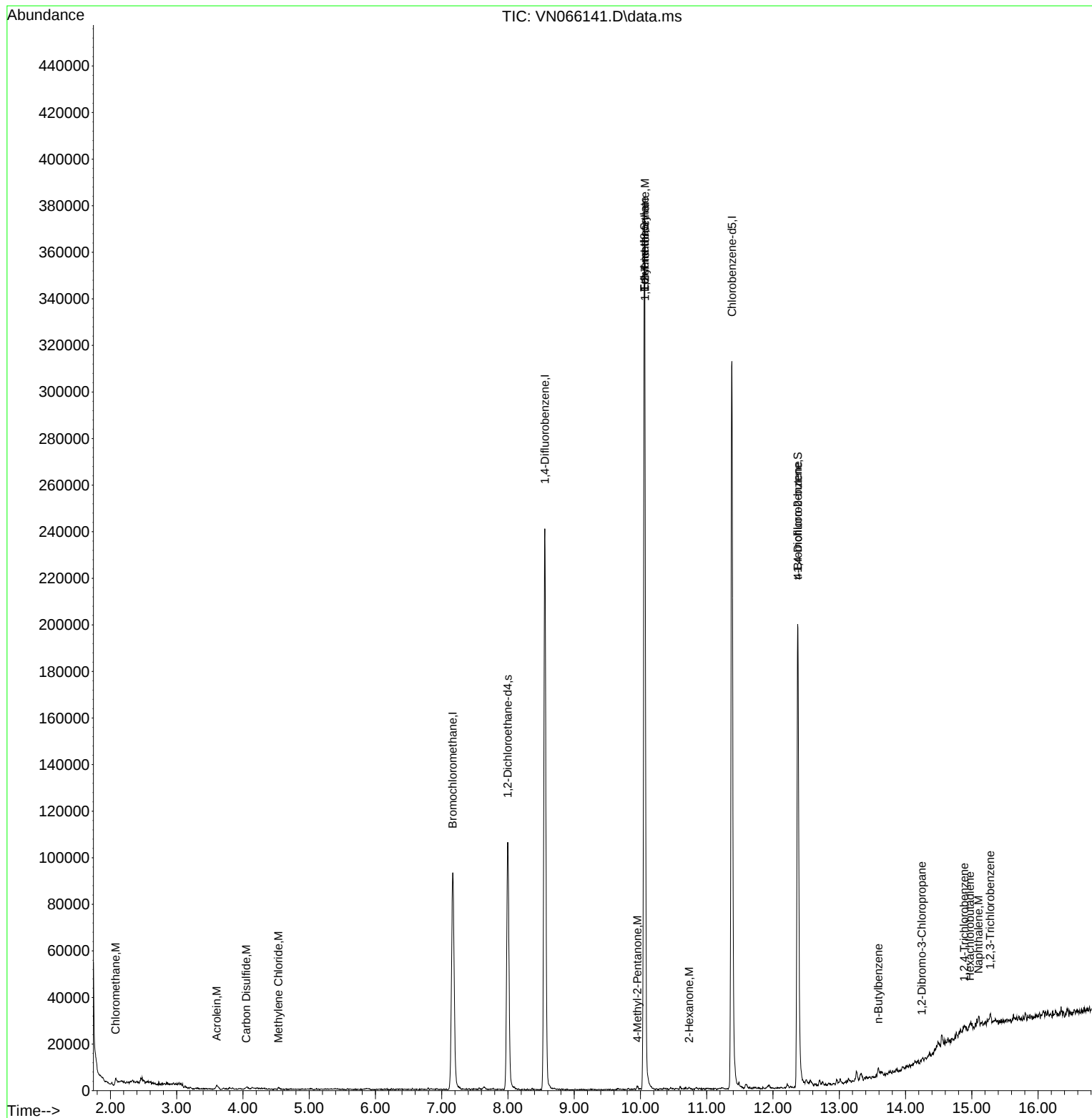
Internal Standards						
1) Bromochloromethane	7.168	128	38194	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.557	114	225426	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	194235	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.997	65	104471	31.51	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	105.03%		
60) 4-Bromofluorobenzene	12.373	95	85324	25.36	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	84.53%		
63) Toluene-d8	10.061	98	274262	31.33	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	104.43%		
Target Compounds						
						Qvalue
3) Chloromethane	2.078	50	1825	0.73	ug/l	96
13) Acrolein	3.605	56	1901	5.34	ug/l #	72
16) Carbon Disulfide	4.052	76	1161	0.21	ug/l #	73
18) Methylene Chloride	4.537	84	500	0.21	ug/l #	51
50) 1,1,2-Trichloroethane	10.068	97	10261	4.20	ug/l #	1
51) Ethyl methacrylate	10.061	69	910	0.25	ug/l	83
58) 4-Methyl-2-Pentanone	9.952	43	1059	0.41	ug/l #	82
59) 2-Hexanone	10.733	43	532	0.30	ug/l #	32
77) t-1,4-Dichloro-2-butene	12.373	75	44832	40.71	ug/l #	14
85) n-Butylbenzene	13.589	91	2270	0.28	ug/l	88
88) 1,2-Dibromo-3-Chloropr...	14.244	75	277	0.37	ug/l #	1
89) 1,2,4-Trichlorobenzene	14.888	180	955	0.37	ug/l #	81
90) Hexachlorobutadiene	14.971	225	536	0.46	ug/l	93
91) Naphthalene	15.100	128	3606	0.48	ug/l #	89
92) 1,2,3-Trichlorobenzene	15.280	180	1144	0.44	ug/l	84

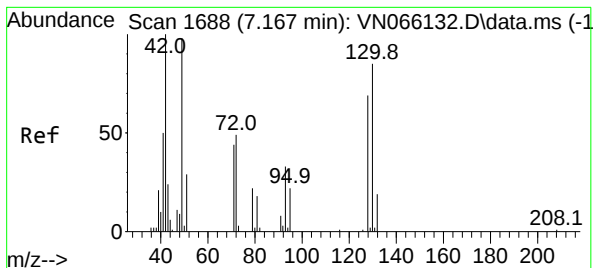
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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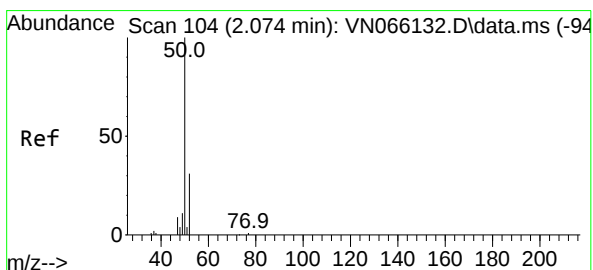
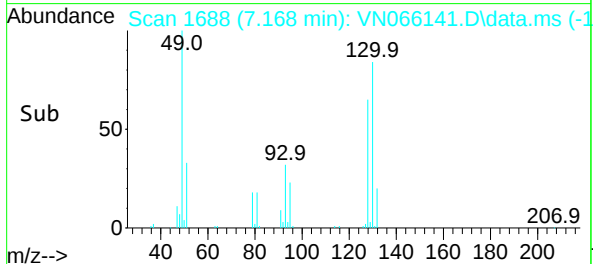
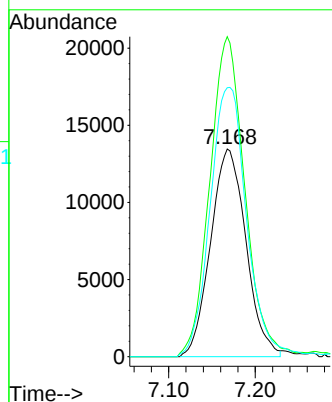
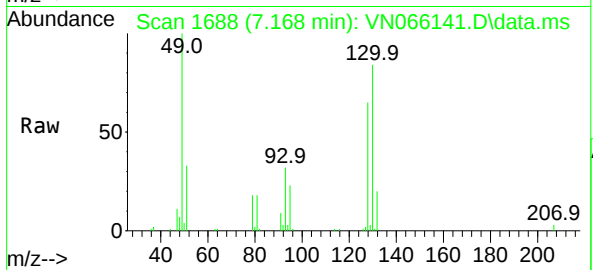




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.168 min Scan# 1688
Delta R.T. 0.001 min
Lab File: VN066141.D
Acq: 5 Mar 2021 18:04

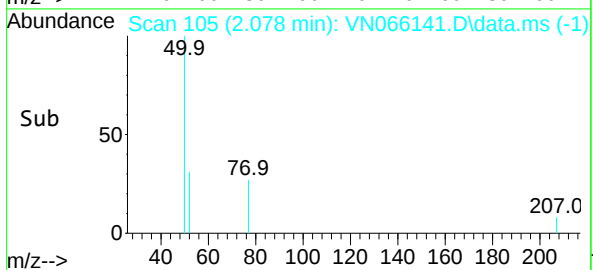
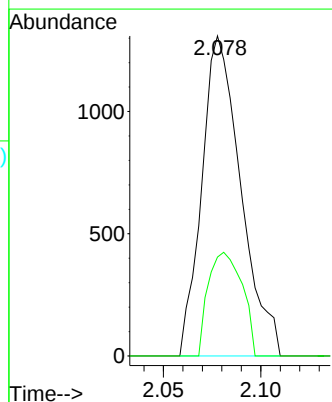
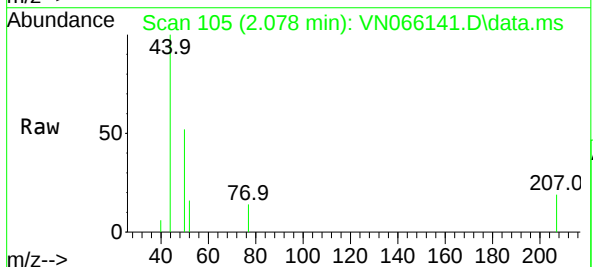
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20210304

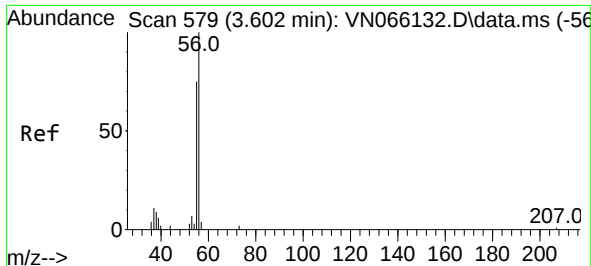
Tgt Ion:128 Resp: 38194
Ion Ratio Lower Upper
128 100
49 152.3 0.0 355.0
130 134.3 0.0 325.5



#3
Chloromethane
Concen: 0.73 ug/l
RT: 2.078 min Scan# 105
Delta R.T. 0.003 min
Lab File: VN066141.D
Acq: 5 Mar 2021 18:04

Tgt Ion: 50 Resp: 1825
Ion Ratio Lower Upper
50 100
52 30.9 26.8 40.2

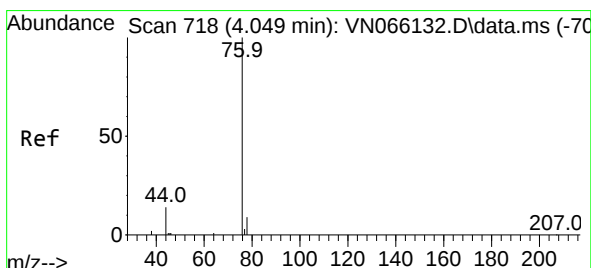
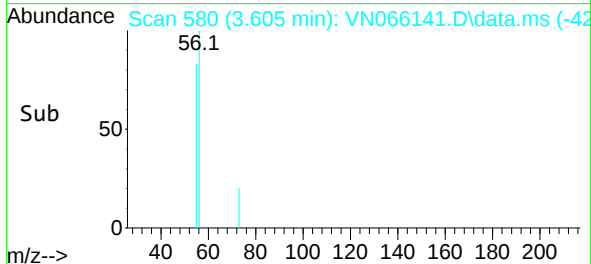
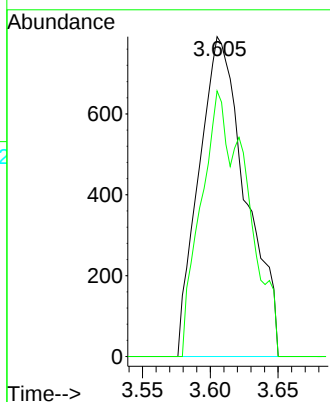
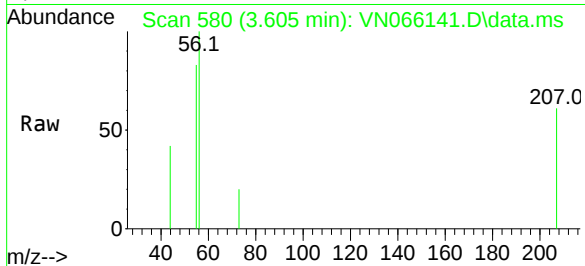




#13
Acrolein
Concen: 5.34 ug/l
RT: 3.605 min Scan# 580
Delta R.T. 0.003 min
Lab File: VN066141.D
Acq: 5 Mar 2021 18:04

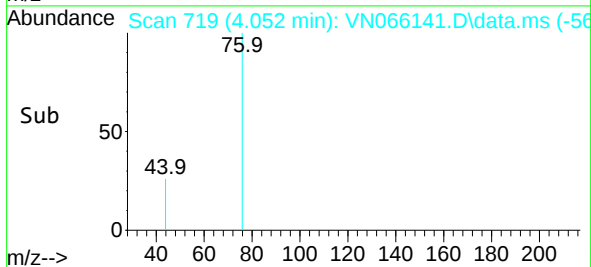
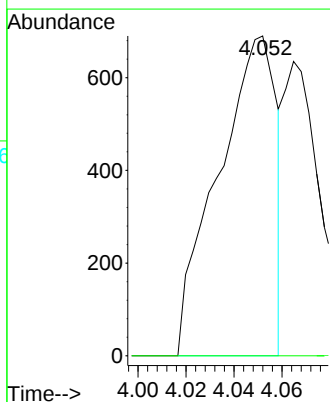
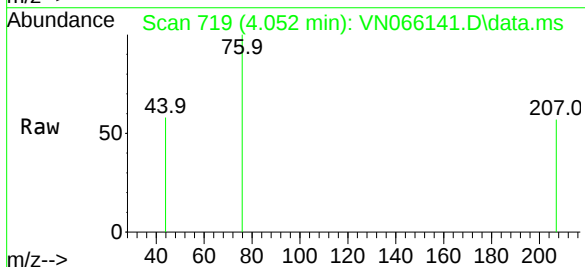
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20210304

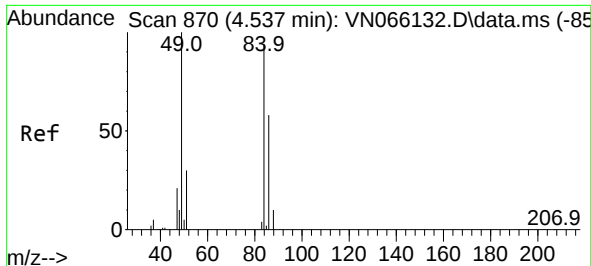
Tgt Ion: 56 Resp: 1901
Ion Ratio Lower Upper
56 100
55 48.9 57.7 86.5#



#16
Carbon Disulfide
Concen: 0.21 ug/l
RT: 4.052 min Scan# 719
Delta R.T. 0.003 min
Lab File: VN066141.D
Acq: 5 Mar 2021 18:04

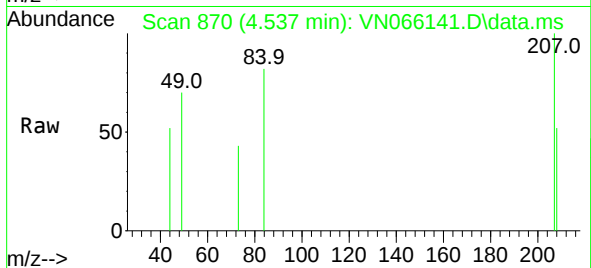
Tgt Ion: 76 Resp: 1161
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#



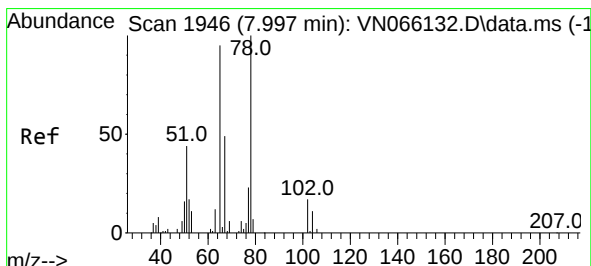
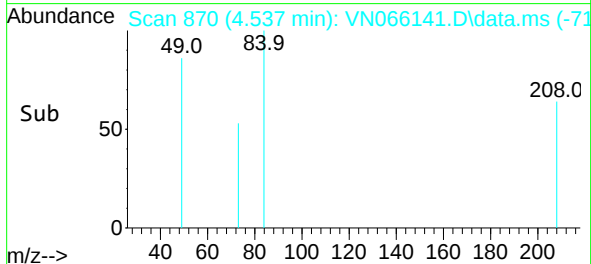
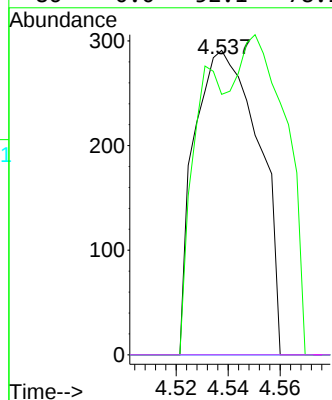


#18
Methylene Chloride
Concen: 0.21 ug/l
RT: 4.537 min Scan# 870
Delta R.T. 0.000 min
Lab File: VN066141.D
Acq: 5 Mar 2021 18:04

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20210304

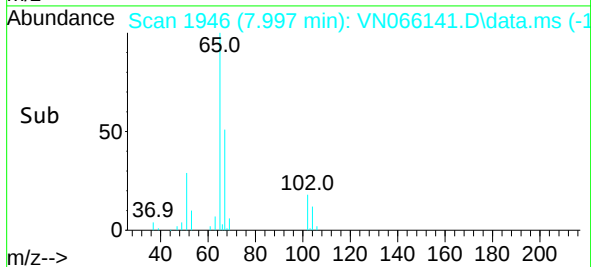
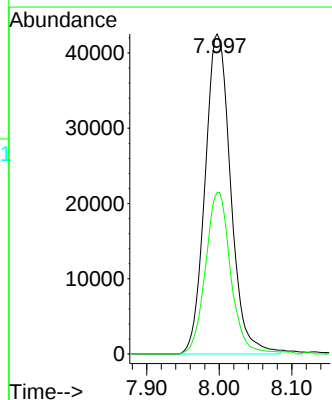
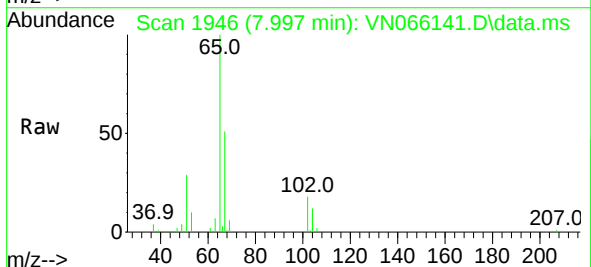


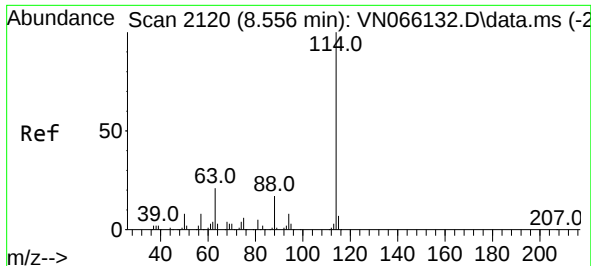
Tgt Ion:	84	Resp:	500
Ion	Ratio	Lower	Upper
84	100		
49	85.6	91.3	136.9#
51	0.0	28.8	43.2#
86	0.0	52.1	78.1#



#27
1,2-Dichloroethane-d4
Concen: 31.51 ug/l
RT: 7.997 min Scan# 1946
Delta R.T. 0.000 min
Lab File: VN066141.D
Acq: 5 Mar 2021 18:04

Tgt Ion:	65	Resp:	104471
Ion	Ratio	Lower	Upper
65	100		
67	49.5	42.8	64.2





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.557 min Scan# 2120

Delta R.T. 0.000 min

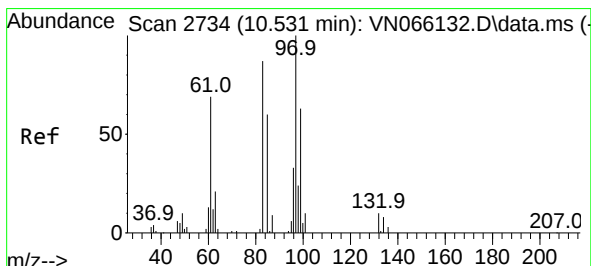
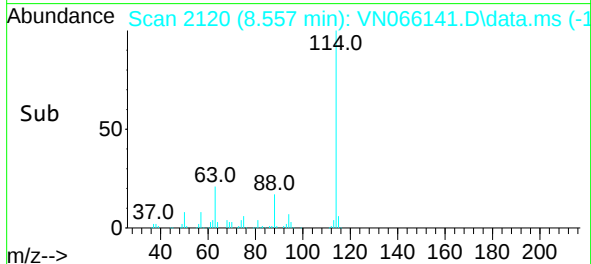
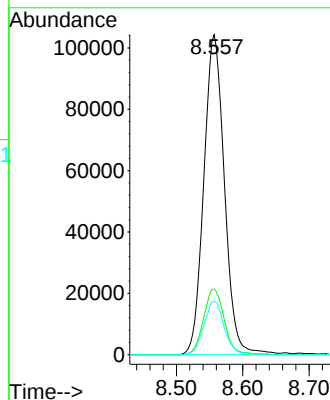
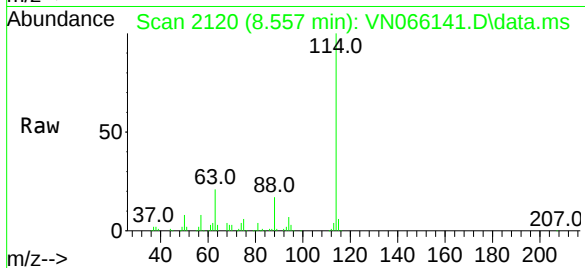
Lab File: VN066141.D

Acq: 5 Mar 2021 18:04

Tgt Ion:114 Resp: 225426

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
114	100		
63	20.4	14.7	22.1
88	16.6	11.7	17.5



#50

1,1,2-Trichloroethane

Concen: 4.20 ug/l

RT: 10.068 min Scan# 2590

Delta R.T. -0.463 min

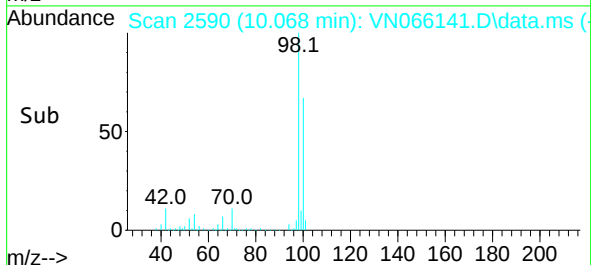
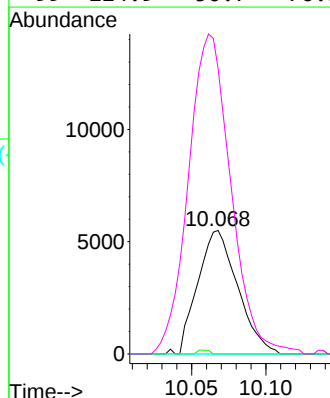
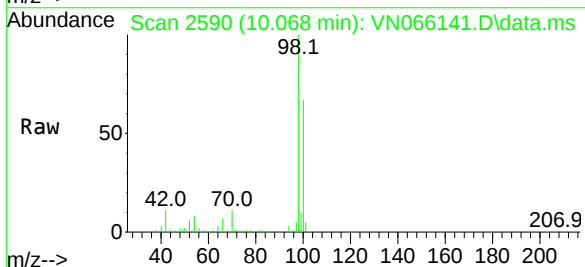
Lab File: VN066141.D

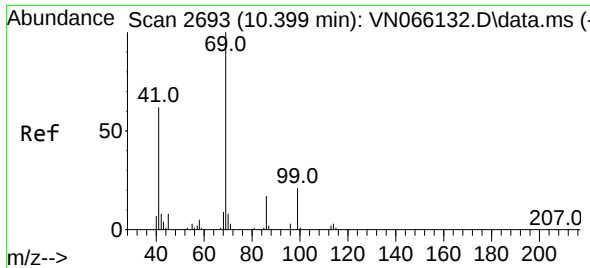
Acq: 5 Mar 2021 18:04

Tgt Ion: 97 Resp: 10261

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.4	102.6#
85	0.0	42.8	64.2#
99	224.9	50.7	76.1#

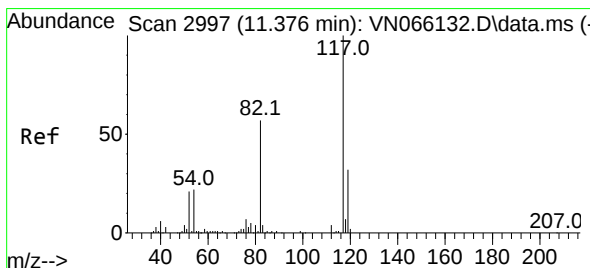
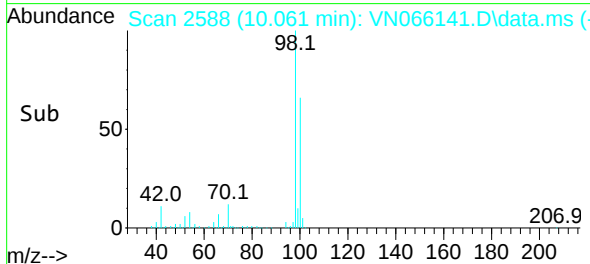
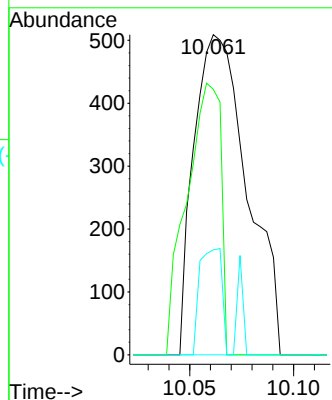
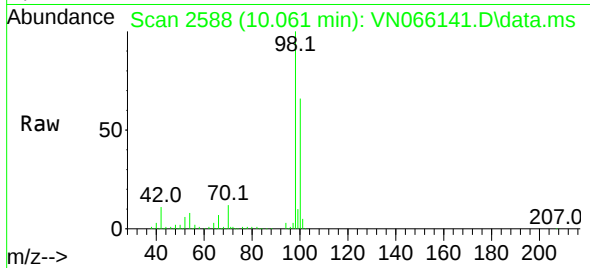




#51
Ethyl methacrylate
Concen: 0.25 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. -0.337 min
Lab File: VN066141.D
Acq: 5 Mar 2021 18:04

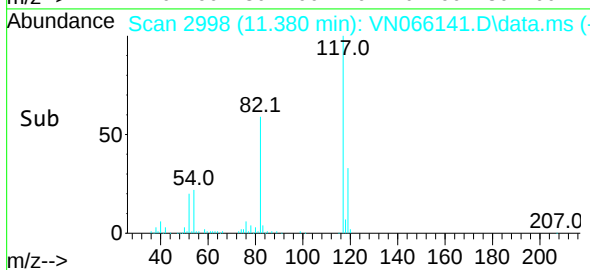
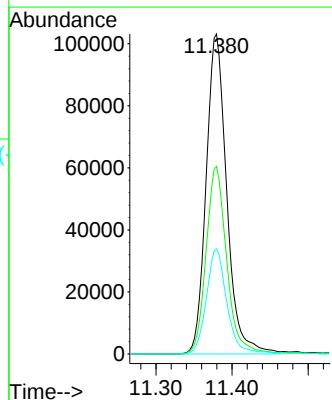
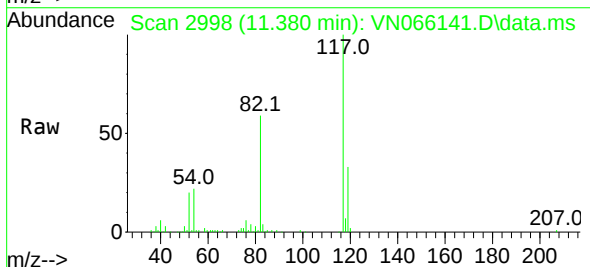
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ClientSampleId :
TT-TB-20210304

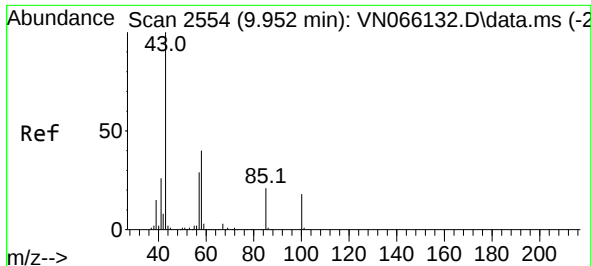
Tgt Ion:	69	Resp:	910
Ion	Ratio	Lower	Upper
69	100		
41	82.9	31.9	95.7
39	32.8	15.6	46.7



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.003 min
Lab File: VN066141.D
Acq: 5 Mar 2021 18:04

Tgt Ion:	117	Resp:	194235
Ion	Ratio	Lower	Upper
117	100		
82	58.6	41.3	61.9
119	32.6	25.7	38.5

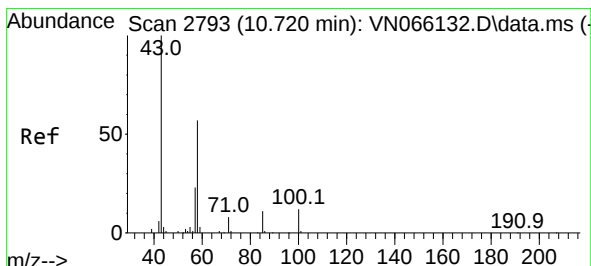
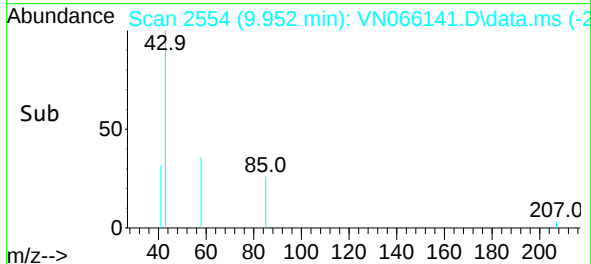
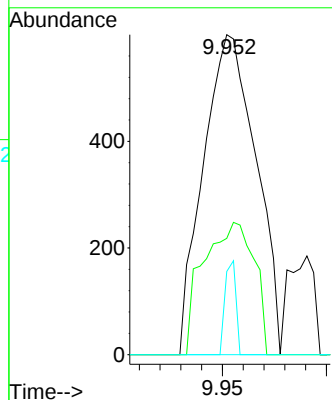
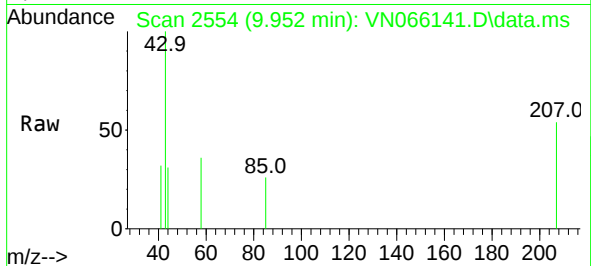




#58
4-Methyl-2-Pentanone
Concen: 0.41 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. 0.000 min
Lab File: VN066141.D
Acq: 5 Mar 2021 18:04

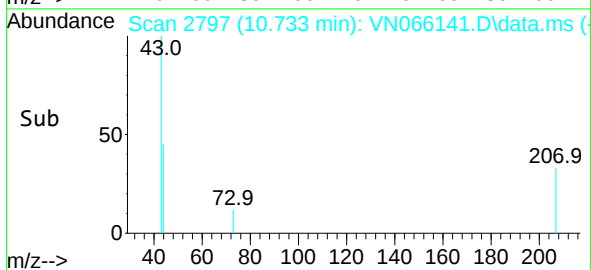
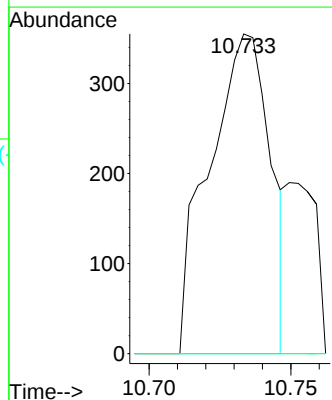
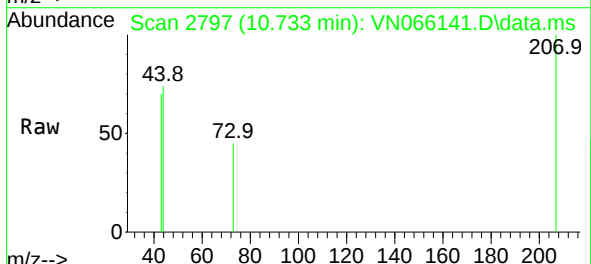
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MSVOA_N
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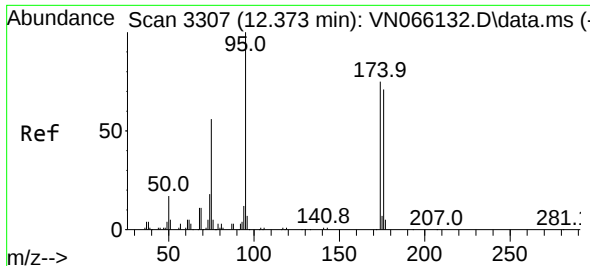
Tgt Ion: 43 Resp: 1059
Ion Ratio Lower Upper
43 100
58 33.7 32.7 49.1
85 6.0 16.0 24.0#



#59
2-Hexanone
Concen: 0.30 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.013 min
Lab File: VN066141.D
Acq: 5 Mar 2021 18:04

Tgt Ion: 43 Resp: 532
Ion Ratio Lower Upper
43 100
58 0.0 45.4 68.0#
57 0.0 15.8 23.8#

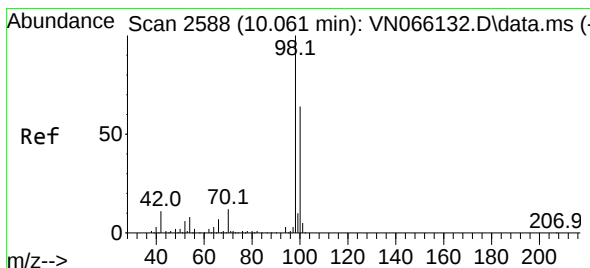
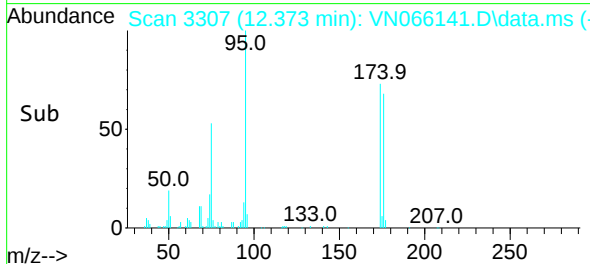
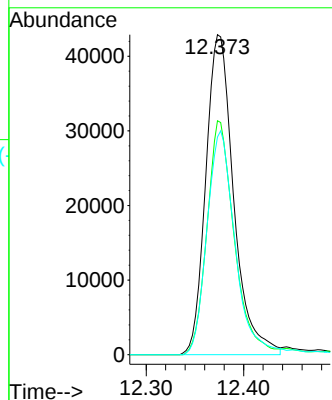
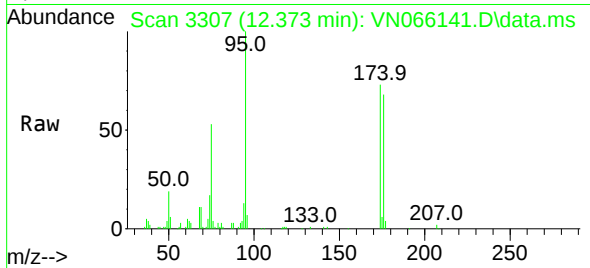




#60
4-Bromofluorobenzene
Concen: 25.36 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN066141.D
Acq: 5 Mar 2021 18:04

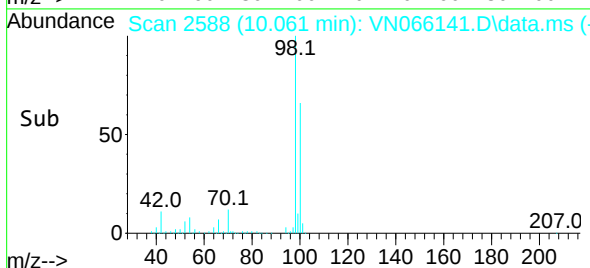
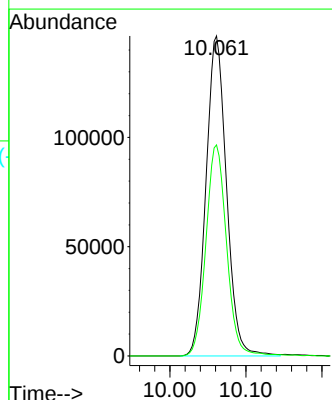
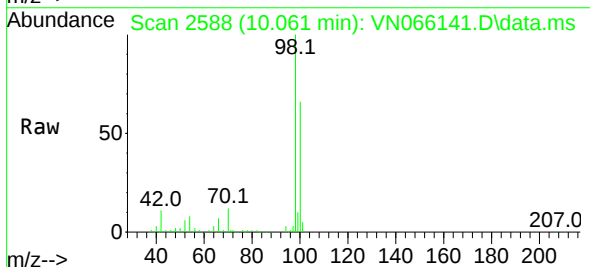
Instrument :
MSVOA_N
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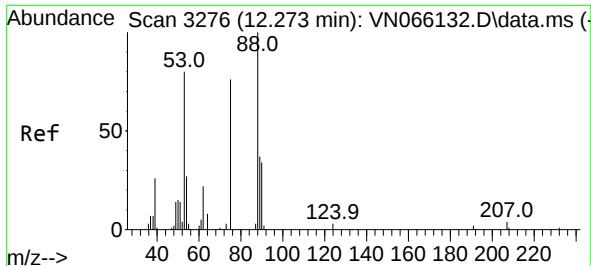
Tgt Ion: 95 Resp: 85324
Ion Ratio Lower Upper
95 100
174 71.2 77.0 115.6#
176 70.1 75.8 113.6#



#63
Toluene-d8
Concen: 31.33 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.000 min
Lab File: VN066141.D
Acq: 5 Mar 2021 18:04

Tgt Ion: 98 Resp: 274262
Ion Ratio Lower Upper
98 100
100 66.5 51.9 77.9

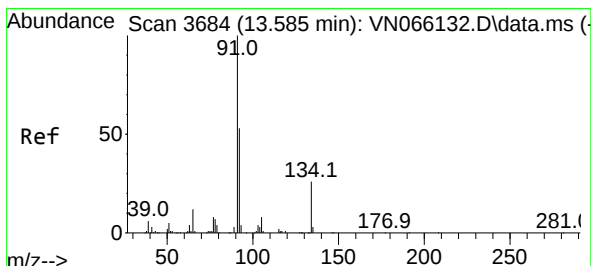
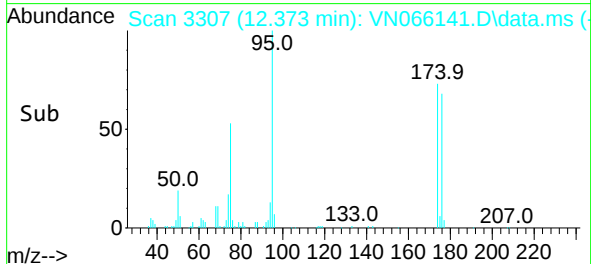
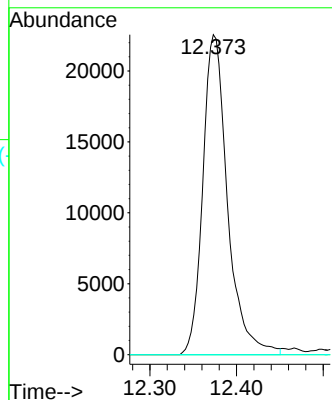
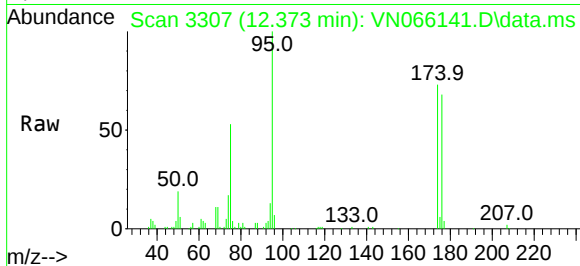




#77
t-1,4-Dichloro-2-butene
Concen: 40.71 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.100 min
Lab File: VN066141.D
Acq: 5 Mar 2021 18:04

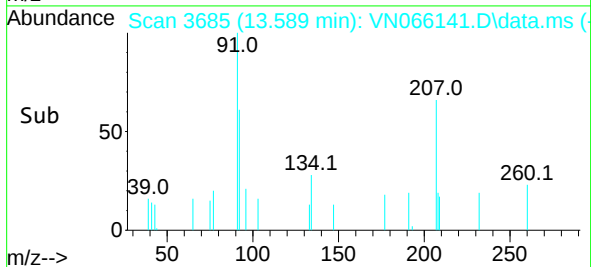
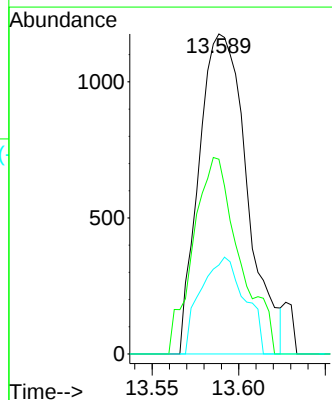
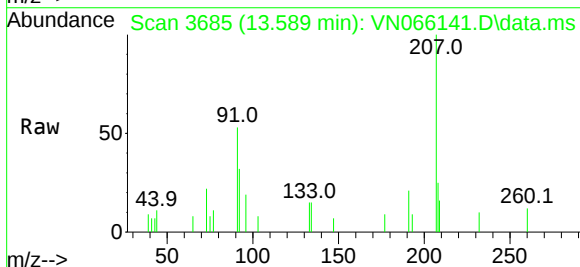
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20210304

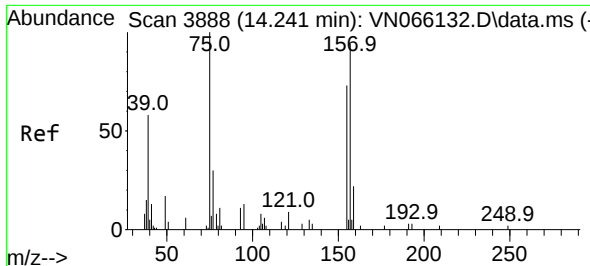
Tgt Ion: 75 Resp: 44832
Ion Ratio Lower Upper
75 100
53 0.0 44.9 134.5#
89 0.0 21.3 64.0#



#85
n-Butylbenzene
Concen: 0.28 ug/l
RT: 13.589 min Scan# 3685
Delta R.T. 0.003 min
Lab File: VN066141.D
Acq: 5 Mar 2021 18:04

Tgt Ion: 91 Resp: 2270
Ion Ratio Lower Upper
91 100
92 40.9 0.0 104.8
134 26.3 0.0 55.8

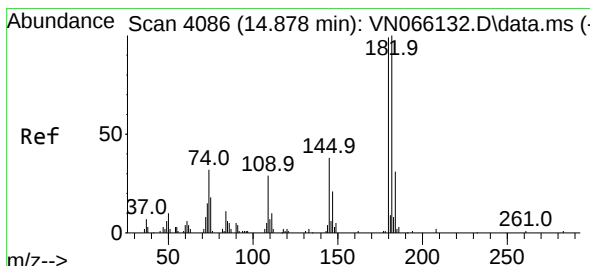
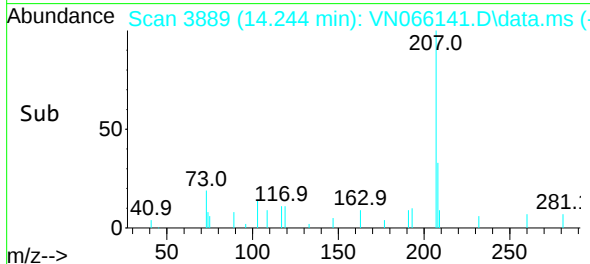
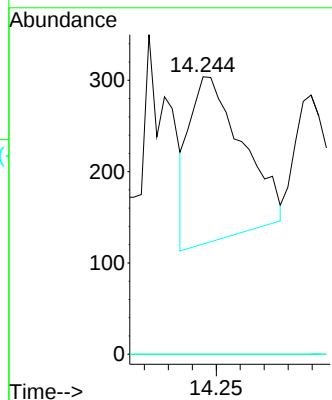
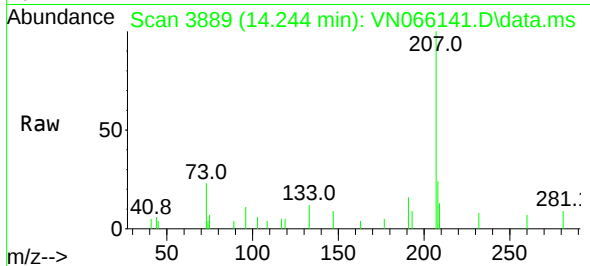




#88
1,2-Dibromo-3-Chloropropane
Concen: 0.37 ug/l
RT: 14.244 min Scan# 3889
Delta R.T. 0.003 min
Lab File: VN066141.D
Acq: 5 Mar 2021 18:04

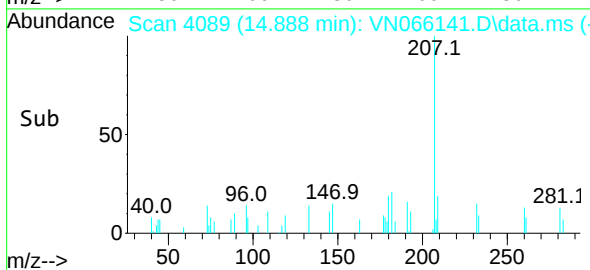
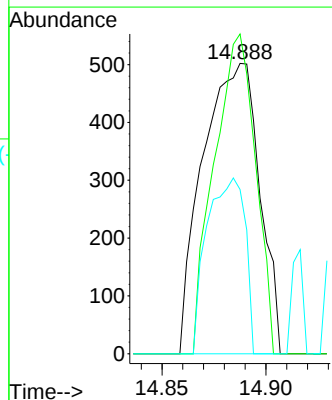
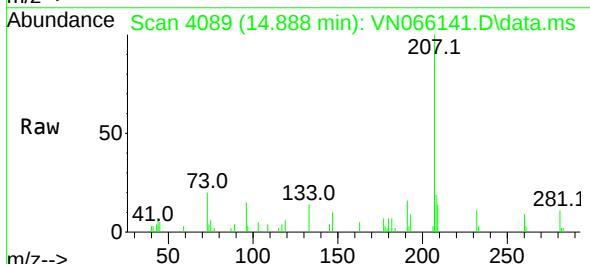
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20210304

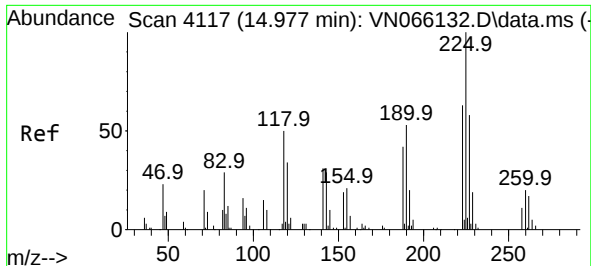
Tgt Ion: 75 Resp: 277
Ion Ratio Lower Upper
75 100
155 0.0 76.9 115.3#
157 0.0 105.8 158.8#



#89
1,2,4-Trichlorobenzene
Concen: 0.37 ug/l
RT: 14.888 min Scan# 4089
Delta R.T. 0.010 min
Lab File: VN066141.D
Acq: 5 Mar 2021 18:04

Tgt Ion:180 Resp: 955
Ion Ratio Lower Upper
180 100
182 80.0 78.5 117.7
145 40.5 23.8 35.6#

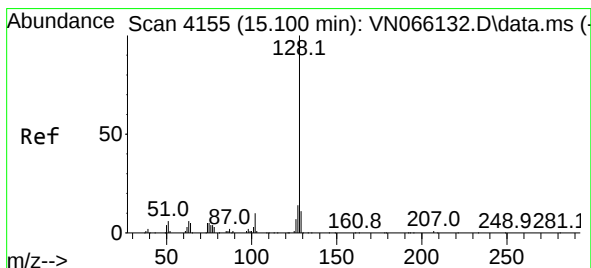
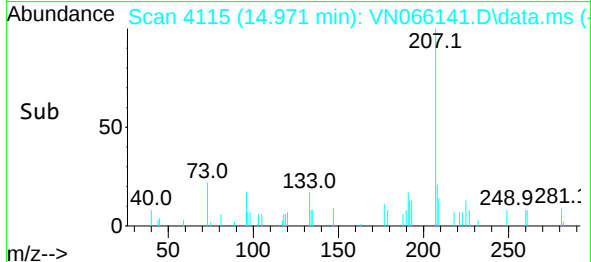
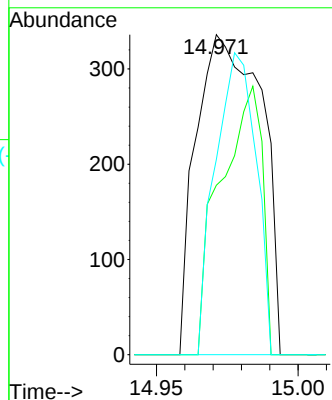
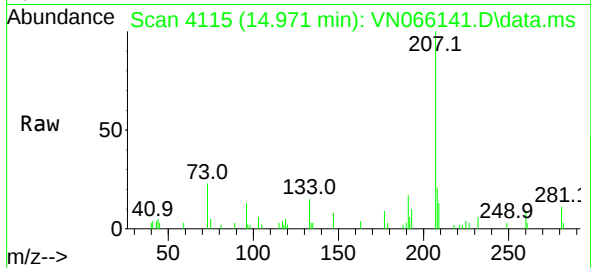




#90
Hexachlorobutadiene
Concen: 0.46 ug/l
RT: 14.971 min Scan# 4115
Delta R.T. -0.006 min
Lab File: VN066141.D
Acq: 5 Mar 2021 18:04

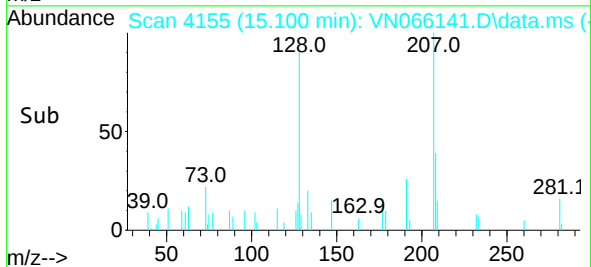
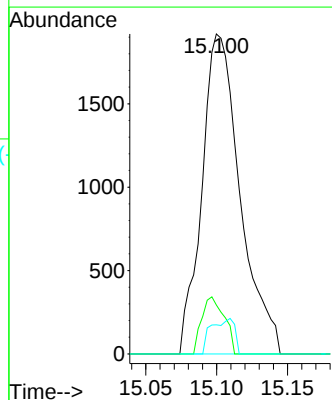
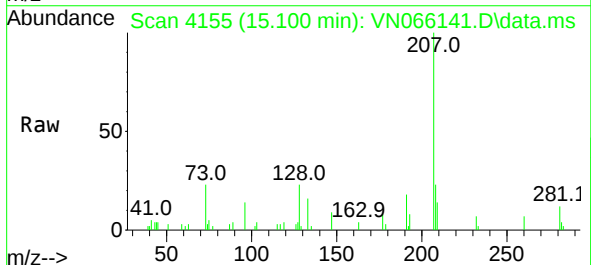
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20210304

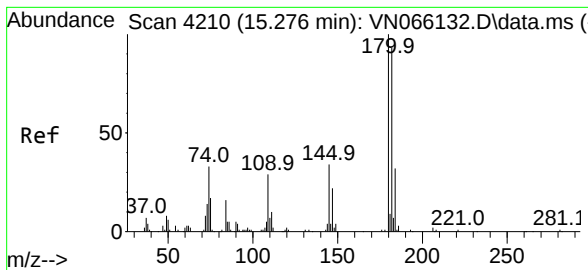
Tgt Ion:225 Resp: 536
Ion Ratio Lower Upper
225 100
223 53.7 0.0 122.0
227 59.1 0.0 126.4



#91
Naphthalene
Concen: 0.48 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. 0.000 min
Lab File: VN066141.D
Acq: 5 Mar 2021 18:04

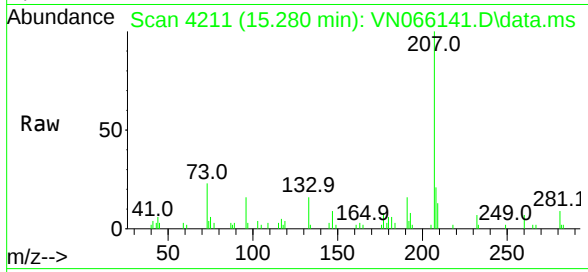
Tgt Ion:128 Resp: 3606
Ion Ratio Lower Upper
128 100
127 10.5 10.1 15.1
129 3.6 8.6 12.8#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.44 ug/l
 RT: 15.280 min Scan# 4211
 Delta R.T. 0.003 min
 Lab File: VN066141.D
 Acq: 5 Mar 2021 18:04

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20210304



Tgt Ion:	180	Resp:	1144
Ion	Ratio	Lower	Upper
180	100		
182	80.0	0.0	190.4
145	19.2	0.0	57.8

